CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the Grover Heinrichs 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.

L-Mesothermal 4B
Ag-Pb replacements in ls.

Forma 385 8.000 10 25

COPY

COMPAÑIA DE REAL DEL MONTE Y PACHUCA
PACHUCA, HGO., MEXICO

Ls Repl
Fissure Veins

FOR

The Cortez District Rejuvenated. (Nevada)

J.O.Greenan
E.M.J.9-10-27

Geology.

Upper Ord Lone Mt.Ls Few hundred feet.
Ord { Eureka Qtzite. 300 ft.
Pogonip Ls. 2000 plus.
Large Granitic Mass.

All 3 massive,some thin bedding esp in upper ls.

All seds dip conformably 23° S80°E. Cut by 8 highly altered porhyry dikes. These strike S80°E, dip 75°N. Dikes at no time entirely filled fissure. Fissure filled largely by altered porphyry and by brecciated and recemented ls-calcite aggregate. Both of these replaced by ag-bearing qtz.,with PbS,py,tetrahed.,Zns and ccpy,with their ox. products.(No 1 dike fissure. Others unexplored.)Large O B s along dike fissure. Largest in lower ls. Qtzite also productive. Overlying ls slightly prod. but little explored. Orebodies:

1. Along No 1 dike fissure, in lower ls.,qtzite and upper ls.
2. O B s along upper or lower qtzite.?
3. Orebodies principally in lower ls.,in FW of No 1 dike,as tabular veins or irregular pipes or ribbons.

Ascending sols replaced large portions along dike fissure with silver-bearing qtz.; they spread out umbrella like along both upper and lower qtzite contacts; followed fractures and cavities in the ls., less so in qtzite, forming tabular vains as well as irregular but rich OB s,extend. sev. hundred feet into footwall of dike fissure. Ore prim. Cryptobatholithic,in local sense. From an areal standpoint,acrobatho.

OB near Garrison shaft. Pipe of rich argent. PbS,sometimes spreading out into tabular form,in FW of No.1 dike. Stoping along dike: Largest stopes 100-300 feet below surface. Largest 630 ft long,5-15 ft wide,max. vert.extent along vein of 220 ft. Little ore along dike 630 ft below surface. FW OB s also unprofitable at that level. New level,360 ft below 630. Imp. OB s found on breaks leading into FW from dike fissure,and on dike fissure at this level,flattening into FW just above level. Oreshoot now devel. 700 ft long,at least 160 ft up dip of vein. These ore bodies about 1600 ft vert, below surface.

Zoning. Metals produced per ton of ore.

	Ag,oz.	Pb	Zn	Cu	Fe	S	All %
100-300 Levels.	11.0	0.06	0.04	0.004	0.24	0.03	
1000-1600	31.0	0.51	0.69	0.063	1.18	0.50	
Ratio,lower to upper levels.	2.8/1	9/1	17/1	16/1	5/1	20/1	

Forma 385 8.000 10 25

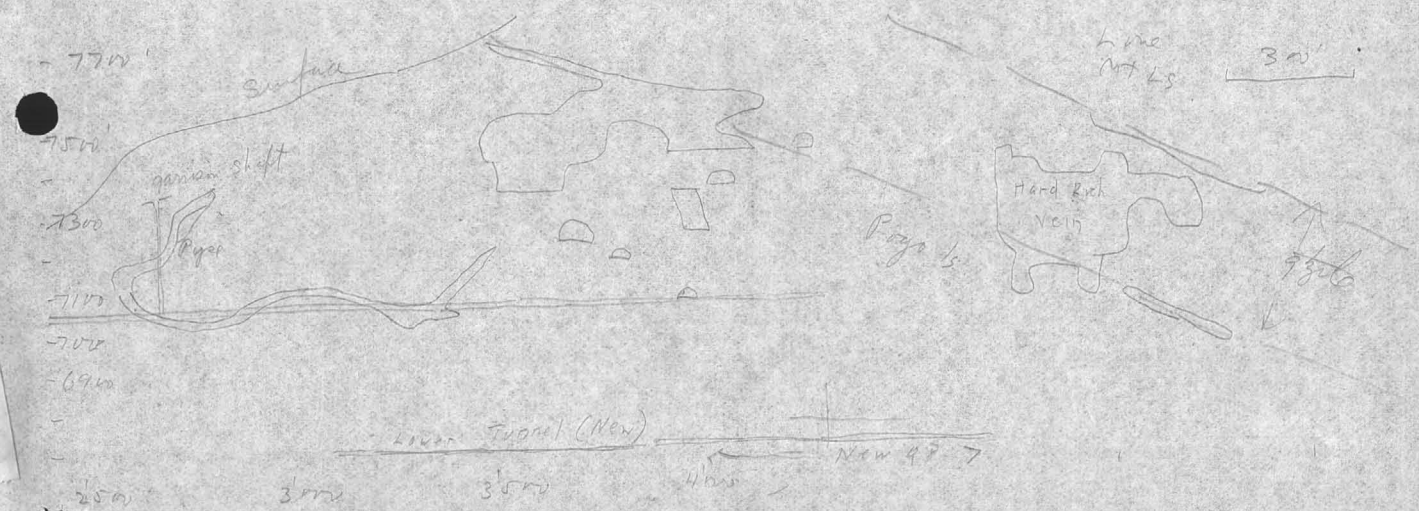
COPY

COMPAÑIA DE REAL DEL MONTE Y PACHUCA

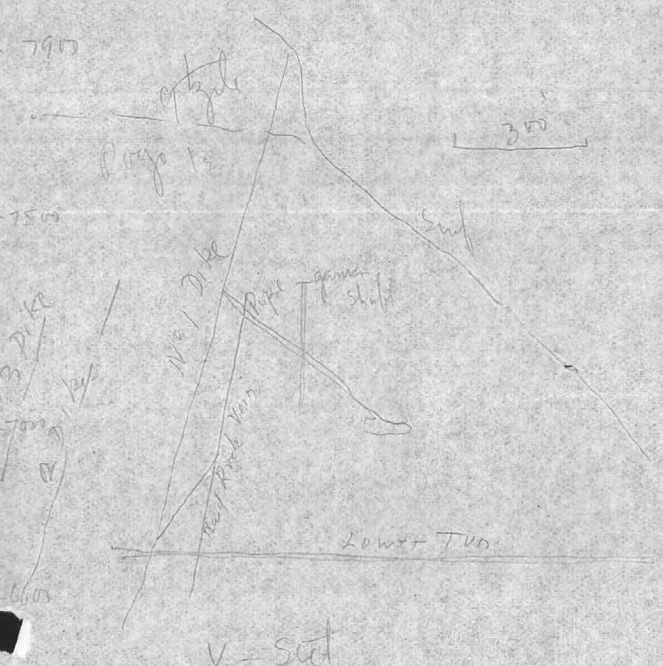
PACHUCA, HGO., MEXICO

FOR _____

Ratio overemphasazed because Arctic ore much cleaner than upper level ore. Inc. of copper and zinc is apparent. Low S content means greater oxidation than appears.



Vert Proj O B's



X - Sect