

**Geological Survey of Wyoming
Mineral Report 90-5**

Charter Oak mine, McCann Pass, Hartville uplift

by

W. Dan Hausel
1990

Two samples were collected from the Charter Oak shaft along McCann Pass for analyses. Sample MP1-88 was a chrysocolla-, limonite-stained mylonite and sample MP2-88 a massive limonitic pyritiferous gossan. The following results were obtained:

MP1-88: 8.6% Cu, no Au, no Ag

MP2-88: 1.4% Cu, no Au, no Ag

DIRECTOR AND
STATE GEOLOGIST
GARY B. GLASS

SURVEY ADVISORY BOARD
D.L. BLACKSTONE, JR.
GENE R. GEORGE
WILLIAM H.B. GRAVES
ROBERT S. HOUSTON
BAYARD D. REA

EX OFFICIO:
GOV. MIKE SULLIVAN
DONALD L. VEAL
DONALD B. BASKO

EDITOR
SHEILA ROBERTS

Serving Wyoming Since 1933



THE GEOLOGICAL SURVEY OF WYOMING
UNIVERSITY OF WYOMING
BOX 3008, UNIVERSITY STATION
LARAMIE, WYOMING 82071

(307) 742-2054 (307) 721-3920 (307) 766-2286

DEPUTY DIRECTOR
AND STAFF GEOLOGIST
-MINERALS (HARD ROCK)
W. DAN HAUSEL

STAFF GEOLOGISTS
JAMES C. CASE
-HAZARDS
RODNEY H. DE BRUIN
-PETROLEUM
RAY E. HARRIS
-MINERALS (SOFT
ROCK)
RICHARD W. JONES
-COAL
ALAN J. VER PLOEG
-STRATIGRAPHY

LABORATORY TECHNICIAN
JAY T. ROBERTS

LABORATORY REPORT

Client Sample No.: as listed GSW Lab No.: 890801

Client: Dan Hausel Sample Description:
misc. ores

Analyses Requested: Au, Ag, Cu, Zn

Methods & Results:

Digest in aqua regia, extract Au into MIBK, AAS:

	<u>Au, ppm</u>	<u>Ag, ppm</u>	<u>Cu, %</u>	<u>Zn, ppm</u>	
MP 1-88	nd	nd	8.6	11.	- Cupriferos gossan from Charter Oak, McCann Pass
MP 2-88	nd	nd	1.4	50.	- Limonitic gossan - McCann Pass Charter Oak
BP 2-89	1.2	3.6			- Select sample of cupriferos limonitic qtz from upper Penn mine dump.
BP 3-89	6.8	4.2			Fuld closure limonitic qtz vein.

nd = not detected; Au less than 0.05 ppm
Ag less than 1.0 ppm

Analyst: Jay Roberts Date: September 26, 1989

Excess Sample: returned discarded X store 6 months, discard store perm

GSW Lab No. : 890801