

0440 0020

(213) Item 18

PROPERTY NAME: Barcelona Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Ag, Au, Cu, Mo, Pb, Sb, HG. Ba.

TYPE OF DEPOSIT: Quartz veins in Paleozoic sediments and
plutonic rocks.

ACCESSIBILITY: Good roads west from Belmonta about 8 miles

OWNERSHIP: BML Mining Company

PRODUCTION: Confirmed \$198,952 others say over 500,000.

HISTORY: From 1870-1878 and from 1920-1922 other
periods of exploration.

County: Nye

Mining District: Barcelona

AMS Sheet: Tonopah

Quad Sheet: Jefferson 7 1/2'

Sec. NW 1/4 7, T 9N, R 45E

Coordinate (UTM):

North	<u>4</u> <u>2</u> <u>7</u> <u>7</u> <u>0</u> <u>5</u> <u>0</u> m
East	<u>0</u> <u>5</u> <u>0</u> <u>3</u> <u>5</u> <u>3</u> <u>5</u> m
Zone	_____

DEVELOPMENT: Total workings were said be 8500 feet in 1922 but that would have
included the San Pedro Mine workings which were connected during that period.

ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: The country rock at the mine is dominately limestone and other meta-
sediments along with Cretaceous granite. The major workings at the mine are
along a NE trending fissure vein system that dips 30-50°SE. The ore was said
to be a banded quartz containing gold-silver with sulfides of zinc-copper-lead.
The ore was in lenses 1 to 20 feet wide and 50 to 500 feet long. Molybdenite
is disseminated throught the quartz.

The area between the Barcelona and the San Pedro has been deeply dozed in what
appears to be an attempt at uncovering parallel veins. The large adit is
presently emitting 20 to 30 gallons of water per minute.

Sample 2028 from the dumps consisted of quartz vein material some of which
was brecciated, strongly silicified with secondary quartz. Visable minerals
included pyrite, cinnabar, terahedrite, molybdenite, and unidentified silver
sulfides. Assays showed 700ppm silver and 50ppm gold with anomalous zinc,
copper and lead.

Hunt (1936) characterized the Barcelona vein system as being associated
with skarn. Ore minerals contain a little gold, silver, and copper: gaugue
consisting of pyrite, molybdenite, quartz, gartnet, and epidote.

REMARKS: _____

REFERENCES: _____

EXAMINER: Jack Quade

DATE VISITED: 9-21-85