

Bernice Canyon 0560 0007

Solomon

(2) m & m
cards
Item 7 WHITE

Mr. C. Solomon, Jr.
Chapman Smelting Co.
409 Battery St., S.F.

Claims: Bernice Canyon,

This company is buying at one price
of Pb, Cu, As, Zn.

12-22-15 Telegram:

Produced 50 tons 50% Pb from Bernice
, expect to produce 250 tons
next year, working 6 men.

*** Mr. C. Solomon, Jr.
Chapman Smelting Co.
409 Battery St.
San Francisco, California

Claims in Bernice, Nevada

This company is buying antimony ore, free of lead, copper, arsenic and zinc, on the basis of \$1.00 per unit, f.o.b. cars at any point in Arizona in carload lots. The lowest grade ore it buys is 50%.

Telegram of Dec. 22, 1915: We produced 50 tons of 50% Sb from Bernice, Nevada and expect to produce 250 tons next year as mine is now open and working 6 men.

u 5/3/15
cars

Bennett Canyon

Wess

1917

WHITE

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Silicite mines operated from 1892
no ~~Sept~~ details known.
Augusta Range

Schneider
1923
WHITE

Bernice Canyon
Antimony King.

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Bernice is near the head of Antimony Canyon
4 miles above its mouth at an El of 5550 ft.
3/4 mile above and 200 ft higher than mill.

1st shipment by ~~the~~ W. W. Van Reed to
the old Star and Matthews smelter in SF
others shipment by Sanders & Young in
1893-1896. Same ore shipped in 1906

Deposits in a series of thin-bedded
black arenaceous slates an indurated
shale of the age of Star Peak fm. (40th panel)

Willard Maloney: Antimony veins at
Bernice, m. & s.p. Vol 112, 1916 p 556

Antimony King named by J. P. Williams
of Fallon, principal producer,
nearly opposite Bernice on the
southerly side of Antimony Canyon
and approx on the southerly trend

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of the Cornish vein. It is mainly an
the ordinary hanging vein (described by Malley),
as having an extent of over 900 ft.

It dips 50° westward in the lower
dark slate member of the Star Peak group,
which it cuts at nearly right angles.

P. 167 see The slate wall rock is altered
and contains a little cubic pyrite.

The vein traverses also two intercalated
siliceous laminar strata about
8 ft in thickness and spaced

about 300 ft apart. It is a quartz
fracture vein with a parting of

dark slate gangue on either wall and
the quartz varying up to 4 ft in
width all of which in places is
solid ore or stibnite.

Sphalerite is very sparingly
present in the ore.

The deposits are best developed in association with the limestone strata which consists of a fine-grained massive bluish gray rock. The latter contains small disseminated cubes of pyrite and specks of stibnite and on the joint and cleavage planes films of stibnite, by reason of which mineral its crapping for long distances are stained yellowish with antimony oxide. But the stibnite is not present in sufficient quantity to constitute ore.

see map

Hayt mill.

See: Shaefer

Carson Emb Report p. 4

Filed under Benice mill

Bernice Carson

Antimony King

Dogman Mine

Bernice

Salomon King.

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I.H.X. mine

copy

Shuelder

1923

WHITE

I. H. X. mine.

The I. H. X. mine, known also as the Solomon(?) mine, is in Antimony Canyon, about a mile ^{and a half} downstream from the Antimony King mine and a mile from the old mill, at an elevation of about 5,100 feet.

The Chapman Smelting Co., of San Francisco, is said to have produced 80 tons of 50 per cent antimony ore here in 1915, and that it was expecting to produce 200 tons in 1916.

The country rock is the brown indurated calcareous shale or slate of the Star Peak formation which here and in the vicinity is intruded by ^{light gray nearly dense} dikes of sodic (plagioclase) aplite, with which the ore is associated.

The vein dips 60° ^{to north} the west. As seen by the writer in 1920, it consists chiefly of alternately banded quartz and stibnite. It ranges up to 5 1/2 feet in maximum width and contains good shoots of relatively pure stibnite.

The principal workings are in the bluff ^{rising} standing about 40 feet above the floor of the canyon. They comprise several hundred feet of drift and slopes extending mostly from the face of a lower ^{adit} cross-cut tunnel. The upper part of the workings show that an 8-foot wide dike of the aplite in part at least forms the hanging wall. They also show a gouge parting of crushed country rock, aplite, and quartz on the vein walls. The dike contains sparingly disseminated minute cubes of primary pyrite and specks of stibnite, ^{including} ~~parts of the~~ dike also beautiful trachytic and acicular replacements by stibnite needles.

Many prospect openings have been made along the dike on the opposite side of the canyon.