

1800 0044
PROPERTY NAME: Nevada Crown Mine
OTHER NAMES: Gold Crown, Port and Sampson, Rex Claims
MINERAL COMMODITY(IES): Silver/gold
TYPE OF DEPOSIT: Epithermal veins

County: Churchill Nam 52
Mining District: So. Fairview
AMS Sheet: Reno
Quad Sheet: Bell Canyon 7-1/2'
Sec. 17, T 15N, R 34E

ACCESSIBILITY: Only portions of road north of Bell Canyon
no access directly to the mine
OWNERSHIP: L. E. Spriggs, Spectrum Exploration, Hawthorne
Nevada
PRODUCTION: Reported gold/silver ore but no numbers
HISTORY: Discovered in 1906 by Port and Sampson and worked
intermittently until 1909 by crew of 12 men. In 1914
the mine was sold to Mr. Morgan of the Schlitz Milwaukee
Brewing Company.

Coordinate (UTM):
North 4 3 3 4 5 0 0 m
East 0 3 9 7 6 6 0 m
Zone +11

DEVELOPMENT: Workings consist of 600 foot adit, caved 250 feet from the portal, a 250 foot
shaft, and a smaller exploratory shaft to the north. The shafts are about 2000 feet
northeast of the adit.

ACTIVITY AT TIME OF EXAMINATION: None, except for staking by different groups and sampling by Spectrum
Exploration and Tenneco Minerals.

GEOLOGY: The main workings are a cross-cutting adit reported to be 600 feet in length
that is caved 250 feet from the portal. The adit runs on a N35°E beginning in andesite and
undercutting a large highly brecciated and silicified 10-30 foot wide vein that bears N50°W,
40°N. Other similar veins parallel the first vein but are 100 to 150 feet to the north. The
veins form prominent outcrops, some over thirty feet high, and range up to 20 or 30 feet
wide. All the veins can be traced along their strike length for 1500 to 2000 feet, but most
come to an abrupt end in the canyon to the east where they are faulted off. The eastern fault
follows a narrow NNE canyon that appears to be fault controlled. To the west, the veins are
terminated by a granite exposed in a window (not mapped) that crops out for several hundred
yards. Mesozoic sediments, both limestone and shales, can be traced by float along the
margins of the pink granite. The granite is undoubtedly the monzonite/aplite reported by
Schrader (1914) and found in the adit dump. The dump material includes material not seen
during the mapping of the first 250 feet of the adit suggesting that the adit cut some of
the other veins further to the north. This was also confirmed by later examinations of the
veins in outcrop and the material from the dump. Sample 3970 was from a vein in a shear 10
feet from the portal while sample 3971 was from another shear near the cave-in. The 250 feet
of adit not caved was all in andesite that was altered and in part chloritized along the
shears but was otherwise fresh. Samples 3972 and 3973 were from the dump and consisted of
materials such as aplite and breccia not seen during the mapping but thought to be beyond
the caved area. Adit is within Rex Claim #21. Only sample 3973 ran detectable gold which was
.05 ppm

REMARKS: See sketch map of Mine. None of the workings are shown on the Bell Canyon 7-1/2'
map.

REFERENCES:

EXAMINER: Jack Quade

DATE VISITED: 10/18/86