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PRELIMINARY REPORT  
ON  
THE NEVADA AUSTIN MINES COMPANY,  
NEW PASS, LANDER AND CHURCHILL COUNTIES, NEVADA.

Examination October 9th and 10th, 1918

By - W.H. Blackburn,  
W H B



## PRELIMINARY REPORT ON THE NEVADA AUSTIN MINES COMPANY.

### LOCATION:

This property is located about 25 miles west of the town of Austin, Nevada, in the New Pass Range. Austin is the terminus of a narrow gauge railroad that connects with the Southern Pacific Railroad at Battle Mountain, Nevada.

From Austin a fair automobile road crosses the Reese River Valley, Mt. Airy Range and Smith Valley and then into the New Pass Range to the property. Austin is the nearest supply point.

### PROPERTY HOLDINGS:

The company holdings at present consist of patented claims, Gold Belt No.1, Golden West, Phil Sheridan, Lander, Irne Blue, Superior, Wild Cat and Gold Medal. Besides the eight patented claims the company did control 9 unpatented locations but it is doubtful whether they have been able to hold them under their present financial condition.

The Gold Belt No.1 and Superior claims were worked by Austin people in the 70's and a small amount of ore was milled at a Huntington Mill plant in Smith Valley. This work was done under the name of New Pass.

### EQUIPMENT:

The present company within the last year has spent approximately \$213,000.00 in the mine, mill and camp equipment. They still owe the original owners \$18,000.00.

As they were unable to pay for all of the equipment the mine compressor, drill sharpener and air drills have been removed by the manufactures. Probably the mill equipment will be removed for the same reason leaving the property without any machinery.



The motive power used for mine and mill was distillate in a 100 H.P. and a 75 H.P. Fairbanks Morse engine. These may also be subject to removal.

The 100 ton mine and mill plant was very complete at one time but is in a fair way to be dismantled.

The mill process consisted of a jam crusher, Hardinge ball mill, Oliver filter and necessary tanks for cyanide treatment.

The mill and camp buildings are very substantial and complete. About 45 men could be accommodated in the two bunk houses. Several other houses for families have been erected.

The water supply was piped from a spring several miles east of the camp and appears sufficient for the 100 ton mill and camp needs.

#### VEINS AND ORE:

Two veins were developed on the property by the various owners. The Superior by four tunnels, the lower or A tunnel at points being about 340 feet below the surface croppings. This vein is developed by four tunnels and with the exception of tunnel A they are all on vein material. The Superior Vein has a north-south strike and a slight west dip. Its width varies from a mere seam to 5 feet in width. The values are entirely in gold though a small amount of silver is present. A trace of copper is also present. The values occur entirely in a fractured or banded white quartz that appears ideal for a cyanide process. The enclosing rock apparently contains no values and is badly broken making clean mining of the quartz vein nearly impossible.

The "Gold Belt" vein lies about 1000 feet to the west and parallel to the Superior vein. Its dip however is approximately 70° to the east. In character it is very



similar to the Superior vein except that its walls are more firm. This vein is developed by a shaft. The most extensive workings are near the surface. It was impossible to get below the 100 ft. level on account of foul air. The shaft is said to be 400 feet deep on the incline.

The Nevada Austin Mines Company claim a \$10.00 average per ton and from the check samples taken on both veins would judge this statement to be about correct. This value is too low to make the proposition worthy of further examination as the veins are small and the wall rock in most places soft or blocky making clean mining impossible. The unusual length of development upon veins caused me to make the inspection.

FINANCIAL:

The property is badly in debt at the present time to two of the principal stock holders. These two stock holders own 650,000 shares out of 750,000 shares issued by a 1,000,000 share company. The usual Tonopah Mining Company terms could probably be arranged but vein values do not warrant anything further being done.



# NEVADA AUSTIN MINES COMPANY

<u>SAMPLE NO.</u>	<u>WIDTH</u>	<u>OZ. AW.</u>	<u>OZ. AG.</u>	<u>DESCRIPTION</u>
1	5.5 Ft.	0.16	0.40	Branded white quartz includes 1 ft red clay. In cut 30 ft. north of shaft top of ridge
2	4.0 "	Trace	0.08	Soft and clayey containing quartz 690 ft. in tunnel C.
3	2.0 "	0.16	0.24	Quartz at head of wing 628 ft. in tunnel C.
4	1.0 "	Trace	0.04	Test of hanging wall from same point as No. 3
5	3.0 "	0.04	0.08	Loose quartz and clay on hanging wall side, 420 ft. in tunnel C.
6	2.2 "	0.28	0.72	Broken white quartz footwall side 420 ft. in tunnel C.
7	1.5 "	0.04	0.12	Footwall Tunnel B.
8	1.0 "	0.28	0.48	White quartz with red seams. Same point as No. 7 Tunnel B.
9	1.5 "	0.02	0.26	Hanging wall same point as No. 7 Tunnel B. Includes 6 inches soft material
10	1.5 "	0.28	0.36	Ribbon quartz including 4 in. clay seam. Face tunnel A.
11	4.0 "	0.64	0.16	About 45 ft. back of face tunnel A, under track quartz.
12	2.3 "	1.12	0.26	In Gold Belt shaft 10 ft. below 100ft level.
13	2.8 "	0.18	0.34	75 ft. south of Gold Belt shaft 100 ft level.
14		0.28	0.56	Grab fines in old ore bin.
15		0.48	0.48	Sample coarse muck in old ore bin.
16	2.0	0.92	0.96	Quartz - special for Mr. Dunstan Tunnel C.
17		0.16	0.16	Grab sample mill tailings - old New Pass Mill.