

1760 0002

226
Item 2

KEY FLOWER MINE

LOCATION

Mammoth Mining District, 6 miles south of Ellsworth, which is in northwestern Nye County, Nevada. Ellsworth is 28 miles by county road from Highway, U.S. 50, and 88 miles from Fallon, the most convenient supply point.

PROPERTY

Four locations in a group; the Key Flower, Key Flower No. 1, Key Flower No. 2 and Key Flower No. 3. These locations belong to Walter Browder and are all recorded in the County Recorder's office in Tonopah.

HISTORY

This property was first located about 1900 and a shaft sunk to a depth of 25 feet and then abandoned. Walter Browder located the ground about 1931 and has held it since. No ore has been shipped or milled.

DEVELOPMENT

The vein was first opened up by a shaft which was sunk to a depth of 25 feet. At this point the vein is mixed with bands of andesite which make the ore very low grade.

Fifty feet south of the old shaft Browder dug a long cut on the vein which opens the vein to a depth of 10 feet at the face of the cut.

About 140 feet north of the old shaft Browder sunk a shaft on the vein to a depth of 28 feet.

Numerous cuts along the vein expose it for a length of 1500 feet

GEOLOGY

Wall rock is a silicified andesite on both the footwall and the hanging wall.

The vein occurs along a fissure in the andesite and is a strong banded quartz vein from 2 to 4 feet in width. Minerals present are iron oxide, small amounts of chalcopyrite, pyrite, very little galena and tetrahedrite. Assays show gold and silver.

Beginning at the south end of the Key Flower claim the vein and andesite is covered by a dark-colored glassy flow rock.

Near the south end of the Key Flower claim there are exposed in trenches two small veins parallel to the main one, both of which show some possibilities.

VEIN

The vein is from 2 to 4 feet in width with from 1 to 12 inches of fragmental material on each wall. The quartz or vein breaks readily and is free from both walls.

The wall rock is solid and should stand with very little support.

Vein strikes N27 degrees E and dips 55 degrees NW.

KEY FLOWER MINE, Continued.

SAMPLES

#11 Cut across north wall of 28-ft. inclined shaft at bottom. Width 4 feet. No gouge on footwall, 3 inches of gouge on hanging wall.
Gold 0.07; Silver 0.80; - \$3.07.

#12 Cut across south wall of inclined shaft 10 feet above #11. Width 30 inches. Three inches of gouge on both walls.
Gold 0.08; Silver 1.50; - \$3.95.

#13 Cut across north wall of incline shaft, 20 feet above #11. No gouge on hanging wall, about 12 inches of gouge on footwall.
Gold 0.12; Silver 7.70; - \$10.13.

#14 Cut across from footwall to hanging wall, in 20 feet from south end of Big Trench. Width 40 inches.
Gold 0.10; Silver 3.10; - \$5.89.

#15 Cut across a width of 38 inches at north end of Big Trench. Cut 14 feet north of #14.
Gold 0.04; Silver 0.40; - \$1.71.

#22 Face of Big Trench, in left hand corner.

L. D. Jordan Gold 0.16; Silver 0.40; - \$5.91.

C. S. Cowan " 0.05; " 0.30; - \$1.98.

A. A. Hanks " " \$0.50.

#23 At mouth of open cut, 8 feet south of face. Width 3.3 feet. Same as #15.

L. D. Jordan Gold 0.09; Silver 0.30; - \$3.37.

C. W. Cowan " 0.07; " 0.40; - \$2.76.

#24 Big Trench. 14 feet from face. Width 3 feet.

L. D. Jordan Gold 0.08; Silver 0.20; - \$2.95.

C. S. Cowan " 0.07; " 0.30; - \$2.68.

#25 Big Trench, 20 feet from face. Width 3.6 feet. Same as #14.

L. D. Jordan Gold 0.05; Silver 0.15; - \$1.86.

C. W. Cowan " 0.04; " 0.40; - \$1.71.

#26 Big Trench, 28 feet from face. Width 3.1 feet.

L. D. Jordan Gold 0.06; Silver 0.70; - \$2.64.

C. S. Cowan " 0.06 " 0.50; - \$2.48.

#27 Old shaft, 50 feet north of Big Trench. Depth 16 feet, south end of shaft. Width 3.9 feet. Foot wall not exposed.

L. D. Jordan Gold 0.01; Silver 0.20; - \$0.50.

C. S. Cowan " 0.03; " 0.20; - \$1.20.

#28 Old shaft down 8 feet, south end of shaft. Width 4 feet.

L. D. Jordan Gold 0.01; Silver 0.80; - \$0.97.

C. S. Cowan " 0.02; " 0.40; - \$1.01.

KEY FLOWER MINE, Continued.

SAMPLES Cont'd.

#29 Shallow small cut 90 feet north of old shaft. Width 2 feet. Hanging Wall not exposed.

L. D. Jordan	Gold	0.11;	Silver	1.40;	-	\$4.93.
C. S. Cowan	"	0.05;	"	1.00;	-	\$2.52.
A. A. Hanks	"	"	"		-	\$2.29.

#30 Shaft 150 feet north of old shaft. Depth 25.8 feet, south end. Width 3.4 feet.

L. D. Jordan	Gold	0.04;	Silver	0.40;	-	\$1.71.
C. S. Cowan	"	0.30;	"	8.00;	-	\$16.66.
A. A. Hanks	"	"	"		-	\$1.35.

#31 Shaft, same as #30. Depth 20 feet south end. Width 2.6 feet next to hanging wall. All quartz.

L. D. Jordan	Gold	0.15;	Silver	2.10;	-	\$6.87.
C. S. Cowan	"	0.22;	"	2.0;	-	\$9.24.
A. A. Hanks	"	"	"		-	\$3.56.

#32 Shaft, same as #30. Depth 20 feet. Width 12 inches, south wall of shaft. Soft footwall material.

L. D. Jordan	Gold	0.02;	Silver	0.40;	-	\$1.01.
C. S. Cowan	"	0.01;	"	0.3;	-	\$0.58.

#33 Shaft, same as #30. Depth 15 feet, north end of shaft. Width 2.3 ft.

L. D. Jordan	Gold	0.08;	Silver	2.10;	-	\$4.42.
C. S. Cowan	"	0.05;	"	1.8;	-	\$3.14.

#34 Shaft, same as #30. Depth 10 feet, south end of shaft. Width 2.2 ft.

L. D. Jordan	Gold	0.08;	Silver	1.90;	-	\$4.27.
C. S. Cowan	"	0.07;	"	1.8;	-	\$3.84.

#35 Shaft, same as #30. Depth 5 feet. North end. Width 2 feet.

L. D. Jordan	Gold	0.15;	Silver	4.0;	-	\$8.33.
C. S. Cowan	"	0.15;	"	4.8;	-	\$8.95.

#36 Shaft dump, north end. Mostly footwall material.

L. D. Jordan	Gold	0.04;	Silver	0.60;	-	\$1.86.
C. S. Cowan	"	0.03;	"	0.4;	-	\$1.36.

#37 Shaft dump, south around end. Quartz.

L. D. Jordan	Gold	0.11;	Silver	1.60;	-	\$5.08.
C. S. Cowan	"	0.10;	"	1.7;	-	\$4.81.

#38 Chips cobbled off side of quartz from parallel vein. 300 feet south of cabin.

L. D. Jordan	Gold	0.02;	Silver	0.30;	-	\$0.92.
C. S. Cowan	"	0.03;	"	0.2;	-	\$1.20.

#39 Old cut 150 feet southeast of cabin. Quartz apparently in place.

L. D. Jordan	Gold	0.09;	Silver	0.30;	-	\$3.37.
C. S. Cowan	"	0.03;	"	0.30;	-	\$1.28.
A. A. Hanks	"	"	"		-	\$0.95.

(Samples 22-39 were cut into three portions and sent to different assayers)

KEY FLOWER MINE, Continued.

SAMPLES
Cont'd.

#44 Face of Big Trench. Width 3 feet. Same as #22.
A. A. Hanks Gold 0.055; Silver 0.20; - \$2.04.
M. H. Downer " 0.02; " 0.10; - \$0.70.

#45 Eight feet south of face of Big Trench. Width 3 feet. Same as #23.
A. A. Hanks Gold 0.025; Silver 0.33; - \$1.08.
M. H. Downer " 0.08; " 0.30; - \$2.80.

#46 Big Trench 15 feet south face. Width 3.4 feet. Same as #24.
A. A. Hanks Gold 0.075; Silver 0.38; - \$2.86.
M. H. Downer " 0.08; " 0.30; - \$2.80.

#47 Big Trench, 20 feet south of face. Width 3.2 feet. Same as #25.
A. A. Hanks Gold 0.035; Silver 0.57; - \$1.58.
M. H. Downer " 0.06; " 0.60; - \$2.56.

#48 Big Trench, 27 feet south of face. Width 3.5 feet. Same as #26.
A. A. Hanks Gold 0.01; Silver 0.77; - \$1.54.
M. H. Downer " 0.04; " 0.96; - \$2.14.

#49 Grab sample from south dump at Big Trench.
A. A. Hanks Gold 0.08; Silver 0.32; - \$3.00.
M. H. Downer " 0.16; " 0.20; - \$5.60.

#50 Old shaft, north end, 8 feet down. Width 2.8 feet.
A. A. Hanks Gold 0.02; Silver 0.18; - \$0.81.
M. H. Downer " 0.02; " 0.30; - \$0.70.

#51 Small shallow cut 90 feet north of old shaft. Width 2.2 feet.
Hanging wall not exposed. Same as #29.
A. A. Hanks Gold 0.045; Silver 0.66; - \$1.99.
M. H. Downer " 0.07; " 0.62; - \$2.92.

#52 Bottom of new incline. Depth 25 feet. South end. Width 4 feet.
Same as #30.
A. A. Hanks Gold 0.03; Silver 1.07; - \$1.74.
M. H. Downer " 0.07; " 0.88; - \$3.12.

#53 New incline, depth 20 feet, north end. Width 2.5 feet.
A. A. Hanks Gold 0.09; Silver 1.76; - \$4.28.
M. H. Downer " 0.10; " 2.24; - \$5.22.

#54 New incline, depth 15 feet. South end. Width 2.1 feet.
A. A. Hanks Gold 0.12; Silver 2.78; - \$5.99.
M. H. Downer " 0.16; " 2.92; - \$7.84.

#55 New incline, depth 10 feet. North end. Width 2.0 feet.
A. A. Hanks Gold 0.09; Silver 1.31; - \$4.99.
M. H. Downer " 0.16; " 1.52; - \$6.77.

KEY FLOWER MINE, Continued

WATER

A small spring that would supply water for a small camp is situated above and one-half mile northeast of the mine.

Camel Springs, 1-1/2 miles northeast of the mine, has a large enough flow to supply water for a camp of 10 to 15 men.

Antelope Springs is 4 miles southeast of the mine at the mouth of the canyon in which the mine is situated. These springs are used to water sheep but should supply 50 gallons per minute in excess of that used for the sheep.

Ellsworth Canyon has a flow of from 50 to 75 gallons of water in bed rock but no water flowing on surface. In view of the fact that the canyon in which the mine is situated, drains much the same area as Ellsworth Canyon, water should be flowing on brerock in this canyon also. A small shaft sunk 10 to 15 feet deep in the wash should reach bedrock and should expose any water that is flowing.

TIMBER

This area is covered with large Pinon Pine trees that furnish excellent fuel for camp and also timber for short stulls while doing development work.

CONCLUSIONS

The samples taken so far have been low in value but the following indications make this property a very promising prospect:

1. A strong continuous fissure vein showing some values along a length of 1500 feet now exposed.
2. Primary minerals in the quartz gangue near the surface; namely, chalcoppyrite and tetrahedrite. Tetrahedrite is a very good indication in this case where silver is present in the ore.
3. Two known veins parallel to the main vein, both showing some values in gold and silver.
4. The solid nature of the wall rock will make for inexpensive development and mining.

In view of the possibilities that this prospect has, and the reasonable purchasing agreement of the owner, this property warrants development necessary to determine the amount of ore present.

TIME SPENT ON PROPERTY Sept. 9th and 24th, and Oct. 12 and 13th, 1935.

Submitted, Oct. 17, 1935.

BERNARD YORK