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Item 1

0880 0001

R E P O R T
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F A I R D A Y P R O P E R T Y
C A C T U S R A N G E, E S M E R A L D A C O U N T Y, N E V A D A.

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See also map files. (2 maps)

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GENERAL:

The Fairday property, consisting of a group of seven claims, belonging to Mr. M. E. Bailey and associates of Goldfield, Nevada, is located in the Cactus Range about 27 miles due East from Goldfield, or 35 miles southeast from Tonopah, but is more easily reached from Goldfield because of the condition of the road, the one from Tonopah being very little used and not kept in repair. The nearest water is at Cactus Spring, one mile distant, although there is considerable water in the various underground workings, the water level varying from 50 to 100 feet below the surface. The claims have been located several times, and there would probably be some difficulty in getting a clear title to the ground. Under the ^{lost} ~~best~~ location, claims No. 1 and 2 were located by a Mr. Heinze and deeded to the owner, Mr. Bailey, and No. 3 was relocated by Mr. Bailey, who at the same time located Nos. 4, 5, 6 and 7. The main working shaft is equipped with a horse-whim, head-frame and black-smith shop, and all necessary tools and other appliances for working the property on a small scale.

VEINS

The claims are located in a northeasterly-southwesterly direction along the outcrops of the veins, of which there are several. By referring to Fig. 1, which shows the relative position of the claims and of the veins and their outcrops, it will be seen that the main vein has two branches, a north branch and a south branch, and can be traced along the surface for a distance of 3000 feet throughout the length of Fairday No. 1 claim, and for a considerable distance onto adjoining property northeasterly beyond the end-line of Fairday No. 3 claim. The strike of the vein is about N 70° E and the dip 80° to the southeast.

A parallel vein, to the north, on Fairday No. 2 claim, outcrops for several hundred feet and is exposed in several open cuts, but was said by the owner to be practically barren. A picked sample taken from the dump of

VEINS CONTINUED

one of the cuts where the best values were reported to have been found, gave returns of .04 oz. gold and 14.76 oz. silver to the ton, or a total value of \$7.18. This vein dips steeply to the south.

A similar vein outcrops near the south side-line of Fairday No. 5 claim, but was reported to be barren.

Several smaller veins outcrop for short distances on the claims at the Western end of the group. No work other than shallow cuts has been done on these veins and no values have been found. It is possible that these veins may be continuations of the ones to the east, but the topography in this part of the property is somewhat rugged, and the connection between the two is not clear.

DEVELOPMENT:

Considerable development work, consisting of cuts, shafts, winzes, drifts and cross-cuts, has been done on the main vein, but none other than shallow cuts on the smaller veins. On the north branch of the main vein there are three shafts, 100 feet, 150 feet and 40 feet in depth, respectively, while on the south branch of the same vein there is one shaft, 75 feet in depth. Because of water, only the workings from the main, or 100 foot shaft are accessible. The 150 foot shaft was sunk on the vein as a main working shaft, but at a depth of about 30 feet the vein was cut off by a flat fault. Sinking was continued to a depth of 150 feet, and, at a depth of 100 feet, or water level, a cross cut was run to the vein. Considerable water was encountered, and when, after a short period of idleness, the workings from this shaft caved, a new shaft, the present working shaft, was sunk to water-level a short distance to the west. From the bottom of this shaft a cross-cut was run to the vein (Section A-A) and two or three hundred feet of drifting done on the vein. In two places south cross-cuts were driven to the south branch of the vein, and near the western end of the workings a winze was sunk 50 feet on a foot-wall vein, and drifting has been started from the foot of the winze (See Fig. 2 and Section B-B).

The forty foot shaft was sunk on the north branch of the main vein 160 feet east of the main working shaft and followed the vein on its' dip.

The 75 foot shaft on the south branch of the main vein was sunk 400

DEVELOPMENT-CONTINUED

feet east of the main working shaft. From the bottom several drifts and cross-cuts were run, exposing a narrow vein. These workings were inaccessible because of water which came to within 40 feet of the surface. A picked sample from the dump at this shaft gave returns of .10 oz. of gold and 53.80 oz. of silver to the ton, or a total value of \$28.90.

Numerous other shallow shafts and cuts have been put down on the vein at various points on the outcrop, their location being shown on the surface map-Fig. 1.

GEOLOGY:

The country rocks are a white rhyolite and a darker porphyritic rock containing abundant quartz and biolite, probably a quartz-diorite-porphyry. The north branch of the main vein appears to be on the contact of the rhyolite with the diorite, the rhyolite forming the foot wall, while the south branch of this vein is in the diorite. The north parallel vein on Fairday No. 2 claim is in Rhyolite, and the south parallel one on Fairday No. 5 claim is in diorite.

The main vein where developed, from the main shaft is oxidized, while further to the east in the 40 foot shaft and in the 75 foot shaft, it shows sulphide but a short distance from the surface. Both branches of this vein are strong, well defined quartz veins with both walls usually well marked. In the western end of the main level considerable faulting has taken place.

Just north of the main vein in this part of the workings, a small sulphide vein has been opened up, and a winze sunk on it for 50 feet. This vein is in the rhyolite and shows good ore in spots, several good specimens having been procured here. Some of the ore from this vein had been screened and sorted and a sample of the screenings gave gold .03 oz., silver 8.17 oz., or a total value of \$4.68 per ton.

SAMPLING RESULTS:

Numerous cut samples were taken across the veins where exposed underground, and grab or picked samples were taken from the dumps at the various shafts and cuts. The result of the sampling shows the veins to be very low grade silver ore with good values in spots, but with an average too low to be of commercial value under the existing conditions.

SAMPLING RESULTS-CONTINUED

The location, value and width of the samples are shown in Figs.1 and 2, and in the following table:

Sample Number	Width	Oz. Au.	Oz. Ag.	Total Value	Description
1	8.7	tr.	1.20	0.60	Cut Sample Across Vein.
2A	4.7	tr.	1.30	0.65	" " H.W.Side "
2B	3.5	tr.	0.80	0.40	" " F.W. " "
3	8.1	tr.	1.40	0.70	" " Across "
4	3.7	tr.	3.60	1.80	" " " "
5	1.0	.08	38.02	20.61	" " F.W.Side "
6	2.5	tr.	0.70	0.35	" " Across "
7	2.5	tr.	1.60	0.80	" " " "
8	1.7	tr.	0.12	0.06	" " " Sulphide Vein
9	2.0	tr.	0.08	0.04	" " Top Drift " "
9A	1.0	.04	16.96	9.28	" " Bottom " "
10	2.4	tr.	2.90	1.45	" " Sulphide Vein in Wz.
11	2.0	tr.	0.50	0.25	" " " " "
12	1.7	tr.	1.10	0.55	" " " " "
13	3.0	tr.	2.50	1.25	" " Main Vein
14	4.2	tr.	0.50	0.25	" " " "
15	2.0	.02	10.48	5.64	" " Across Shaft
16	3.0	.02	9.58	5.19	Grab " Dump below Shaft
17	3.0	tr.	4.00	2.00	" " " 10 ft. "
18	4.0	tr.	3.60	1.80	" " " 40 " "
19	4.0	tr.	0.20	0.10	" " " Cut
20	1.0	.10	53.80	28.90	" " " 75 ft. "
21	4.0	.04	12.76	7.18	" " " N.Vein
22		.03	8.17	4.68	" " Screens from Wz.

TERMS:

The owners are willing to accept any reasonable proposition, demanding no cash payment, and requiring only that the property be developed continuously while under option.

CONCLUSIONS:

The veins as developed are too low grade to warrant further consideration. Future developments by the owners, however, have good prospects of opening up pay ore, in which case another inspection of the property might be advisable.