

Report file

148/c.2

BRIEF STATEMENT
CONCERNING THE ZEPHYR AND CYCLONE
MINING CLAIMS
BY
F. C. ARMSTRONG
Magnolia Mining District
Boulder County,
Colorado.
1903

Report furnished by E. A. Hitchcock,
348 West 8th Ave.
Columbus, Ohio

F. C. ARMSTRONG
Civil and Mining Engineer
U.S. Deputy Mineral Survey

Eldorado, Colorado, February 14th, 1903.

R. R. Kermack,
Magnolia, Colo.

Dear Sir:

Regarding your group of claims, the plat of which has been submitted, I would say that at the time of making the survey I did not contemplate a report on the property, so that the facts at my command are necessarily meagre.

The Zephyr Mill site of 3.641 acres is located along Boulder Creek in the south $\frac{1}{2}$ of section 36 (originally a school section but exchanged) T 1 N R 72 W of the 6th P.M. Magnolia Mining District, Boulder County, Colorado, at an elevation of about 6300 feet. Boulder the distributing point for this section being 5500 ft. ele. and distant 11 miles easterly on a good mountain road. From Boulder a standard gauge R.R. connects Denver, 30 miles distant.

The portal of the proposed tunnel will be located in this M.S. giving necessary dump room, and opportunity to utilize the water power of the creek,

Running S 15° 53' W., the tunnel will cut the Black Canon lode, which adjoins the M.S. at about 76 ft. depth, the Clydesdale lode side line in 1212 ft. at about 738 ft. depth. The 1026 ft. between these claims should be covered by claims as the tunnel will undoubtedly cut some lodes in this distance.

The Arcadia lode, running up and down the hill, lies west of the tunnel line. From the Clydesdale lode side line to the Cyclone lode side line is 836 ft., which is in part covered by two lodes located on Jan. 1st., '03, but this space should be entirely covered.

From portal of tunnel to point under Zephyr shaft is 2546 ft., cutting at depth of 1159 ft.

The Mountain Monarch and Tenderfoot lodes are west of the tunnel line and the former will have to be reached by a crosscut as will the Arcadia.

The Cyclone, Zephyr and Hurricane lodes are contiguous but to reach the Buena Vista, Esmaralda & Esmaralda No. 1 the tunnel will have to be continued more easterly.

In a proposition like this where the surface & other developments are inconsiderable and not sufficient to determine large bodies of ore in sight which will themselves pay for driving a tunnel, the probable value of a tunnel is largely a matter of faith.

The Magnolia district has long been noted for its rich telluride ores, and properties which this tunnel will cut and others in the immediate vicinity have extracted high grade ores; the veins are large well defined true fissures in country rock of gneiss and schist, conditions under which there is every probability of finding bodies of ore; the ground can be entirely covered by claims (with the exception of one senior claim 150 x 1500 ft. which does not materially interfere) at comparatively small expense; the tunnel eliminates all trouble with water; the ore can be extracted more economically by upraising than by sinking and can be loaded in wagons at portal of tunnel and transported to the R.R. at minimum expense.

Personally I have faith in the District and the property and believe it to be an excellent tunnel proposition in which there is a good chance for developing a producing mine. Further than this, by extending the tunnel, territory that has been proved will be cut.

Very truly,

(signed) F. C. Armstrong

Statements about Zephyr and Cyclone

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From streak on hanging wall near breast,	25.20
From rock at surface, middle shaft,	13.00
From talcy streak in drift,	36.80
From streak on hanging wall, back of streak of hanging wall near breast,	149.40

The two lodes are contiguous and in addition to the shaft on Zephyr, there is a lateral tunnel driven some 400 feet which cuts the Cyclone lode and should cut the Zephyr vein at a depth of 250 feet. The location of both lodes is such that a tunnel 2500 feet long with entry in Boulder Canon should cut the Zephyr vein at a depth of 1150 feet and in so doing apparently would traverse five other veins.

Exhibit A are mill runs for ore taken out by Martin and Little. Exhibit B is the engineers report, F. C. Armstrong, Eldora, Exhibit C is a letter from Mr. Martin several years after the purchase was made. Kindly return these exhibits.

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FROM ZEPHYR LODE "A"

The following mill returns, from which smelter charges have been deducted, indicate the average value of the ore.

Lot	Weight	Gold Oz.	Silver Oz.	Price per Ton	Amount
1	3485	2.25	1.50	\$ 32.70	\$ 59.96
2	2376	1.75	.70	22.69	26.95
3	6378	1.64	.50	21.48	70.54
4	46609	.99	.45	10.09	836.16
5	42533	.75	.30	5.04	125.42
6	11494	.73	.20	5.50	31.23
7	5782	3.45	.60	54.93	136.33
8	10515	1.16	.40	13.29	62.86
9	25790	.65		41.35	56.09
10	20330	.73	.60	6.25	63.29
11	5207	1.53	.50	21.39	89.76
12	727	1.80	1.40	23.11	6.58
13	8485	1.40	.30	14.73	26.51
14	1438	7.30	2.70	127.41	91.60
15	1102	2.00	1.40	25.90	17.92
16	3254	1.00	.60	9.30	15.26
17	2330	1.80	.50	15.02	17.49
18	7001	1.80	.70	15.15	53.02
19	947	3.60	.80	53.40	27.50
20	2633	1.60	.60	20.73	27.54
21	3117	3.60	.70	56.95	86.72
22	905	15.00	1.00	275.64	124.58
23	3918	5.85	.60	101.53	148.13
24	3690	4.26	.80	70.31	129.72
25	1837	2.55	.30	38.45	35.89
26	494	4.30	1.50	71.70	17.70
27	1845	5.90	1.50	103.05	95.01
28	11494	2.00	3.00	29.91	171.89
29	2049	1.70	1.30	23.12	23.62
30	1350	4.40	.80	74.10	50.01
31	30000	.70		7.00	100.00
32	415	7.00	.90	121.00	25.10
33	875	3.20	.70	49.25	21.50
34	3316	4.00	.75	70.29	116.54
35	29922	.34		4.76	71.23
36	3262	4.64	1.70	71.84	117.17
37	1727	4.60	2.20	71.32	61.58
38	3231	4.92	1.20	76.53	125.93
39	6333	2.66	1.27	33.55	106.55
40	3625	2.00	1.00	20.88	36.88
41	425	7.50	1.00	131.15	27.80
42	202	3.00	.50	47.00	4.75
43	517	2.60	.60	40.78	10.50
44	4117	4.00	.85	66.56	135.00
45	8634	4.40	.70	74.06	320.00
46	58060	.70		4.60	191.00
47	1876	5.00	.90	85.60	79.70
48	18387	1.35		15.70	142.00
49	1618	2.50	1.70	38.55	31.00
50	2460	1.37	.40	16.28	20.00
51	1620	1.97	.50	27.68	22.40
52	3442	1.40	.35	16.81	28.10
53	31730	1.00	2.05	10.33	164.00
54	905	16.00	1.00	275.64	124.60
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"C"

March 23, 1914
Boulder, Colo.

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Dear Sir:

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I sunk the east about 25 feet deeper and then I went farther east and started a tunnel to drain the workings I drove the tunnel between 4 and 500 feet and you bought me out, at that time. From the west shaft to the east shaft the ground has been stoped out down to the 50 feet level, clear through to the east shaft and the ore was good all the way thru worked to the surface. The working is all caved in and everything has been stolen that could be carried away.

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