A REPORT
on the "BRECKENRIDGE GROUP"
Empire, Clear Creek Co., Colo.,

PROPERTIES:
There are 14 patented claims embracing acres
and 2 unpatented claims of 5 acres each. The names of
the claims and their relative locations are fully shown on
the accompanying map.

LOCATION:
The Breckenridge Group is located 1 1/2 miles
west of the town of Empire and 4 miles west of Empire Station,
the latter being on the Clear Creek division (narrow gauge) of
the Colorado & Southern Ry. The claims lie in the upper
Union mining district Clear Creek Co., Colo. The altitude
of the main tunnel is 8925 feet above sea level. There is
a broad flat valley trending east and west and on the north
side is a ridge 1100 feet high with its axis parallel to the
valley. The southwest ends of the Jim Blaine, Abeel, Bi-
matalic and Washtenaw extend about 300 feet out into this
valley affording a millsite, the balance of the claims cover
the south slope of the ridge and extend a little ways over
the top.

GENERAL CONDITIONS.
The climate is excellent and as the claims lie on
the south slope of the mountain there is very little snow.
On December 16th there was none. This being a mining
prevailing wage of $3.00 for eight hours. Labor conditions are unusually tranquil. Clear Creek Co. is a community in which it is pleasant to live and many of the miners own their homes; as a result labor disturbances are almost unknown.

The county is badly in debt and the present administration is endeavoring to pay off the indebtedness and in order to preserve popularity at home has saddled the extra burden of taxation on the non-resident tax payers. The taxes so levied amount to practical confiscation in many instances so it is not desirable for an outsider to invest money in the county unless the enterprise promises to be unusually profitable.

The railroad rates are as follows:--

<table>
<thead>
<tr>
<th>Value Limit</th>
<th>Rate Per Ton to Denver</th>
</tr>
</thead>
<tbody>
<tr>
<td>$9.00</td>
<td>$1.15</td>
</tr>
<tr>
<td>20.00</td>
<td>1.40</td>
</tr>
<tr>
<td>30.00</td>
<td>1.90</td>
</tr>
<tr>
<td>100.00</td>
<td>2.60</td>
</tr>
</tbody>
</table>

The wagon haul will be about $1.50 per ton.

The smelter rates are very complicated but practically one gets 85% of the values and is charged from $2.00 to $10.00. The lead ores from the lower tunnel will command a rate of about $2.50.

There is a large stream running through the valley in which the mill-site is located and immediately above the mill-site the valley rises rapidly affording an opportunity to develop water power. An hydro-electric plant is now in process of construction and has assumed contracts beginning June 1st so cheap power is assured.
GEOLOGY:

The hill on which the claims are located is composed of the typical rocks of that section of the country and is similar to the formation of the producing localities at Georgetown and Idaho Springs. It consists of gneiss and schist and granatoid rocks. Near the center of the south slope of the hill is a large mass of syenite. The mountain is cut by numerous dikes of an acid eruptive rock which is probably trachite. The formation is very favorable to mineral richness.

SAMPLING:

I took 31 representative samples. Their values, the widths of the veins and their location are all shown on the map and a glance at the map will give a better idea of the situation than much writing.

CONCLUSION:

The geology is favorable and all the working conditions are good except that of taxation. The ground is a perfect network of veins and there probably are several ore shoots in the ground but the sampling shows that only one has been discovered thus far. This one is a small and low grade vein and while some money can be made out of it, if it is very economically worked it is not a thing to spend much cash for. Mr. Gard’s men have got out 7 tons in 14 days. At this rate it is an unprofitable undertaking, but better work can be done.

Some of the veins on the hill are very large and should an ore shoot be found in one of them it would probably be very profitable, at present however, the property is only a prospect and does not warrant a cash payment. If a liberal lease for a year or two could be arranged carrying with it
an option to buy for twenty five or thirty thousand dollars I would advocate spending a little money on development work. I cannot recommend purchasing the property under the present terms which I understand involve a $5,000.00 payment January 1, 1906 and $5,000.00 again at the end of each six months till $30,000.00 is paid.
All Samples assayed for gold and silver.

No. 1 taken at pt. 25 ft. inside the portal of tunnel at N.E. end line of Jim Blaine - 1' vein
Value trace

No. 2 Same tun. 35 ft. from portal, 1' vein
Value trace

No. 3 Same tun. sorted ore on dump
Value 0.40

No. 4 Dump of discovery shaft on Prescott claim
Value 0.40

No. 5 Dump of discovery shaft on Ann Arbor claim
Value trace

No. 6 Dump of discovery shaft on McKinley claim
Value trace

No. 7 2 ft. vein in discovery shaft of Ohio claim
Value trace

No. 8 5 ft. vein in discovery shaft of Sheard Ext.
Value trace

No. 9 1' N.W. vein in discovery shaft of Bimetalic claim
Value trace

No. 10 2 ft. vein in 70 ft. shaft on Abeel claim
Value trace

No. 11 Second tunnel. Taken 40 ft. from breast. The vein is pinched to knife blade seam. This sample 2' vein
Value 0.40

No. 12 Same tunnel, 15' south of last, 2' vein
Value trace

No. 13 Same tunnel 15' south of last, 16' vein
Value 0.40

No. 14 Same Tunnel 15' south of last, 3' vein
Value trace

No. 15 Better looking 1' of a 5 ft. vein in discovery shaft of Bertland
Value 0.50

No. 16 5 ft. vein in discovery shaft of Kierstead
Value 0.40

MAIN TUNNEL SAMPLES.

No. 17 Breast 8 ft. vein
Value trace

No. 18 16 ft. from breast, 6 ft. vein
Value trace

No. 19 96 ft. from last 4 1/2 ft. vein
Value trace

No. 20 11 ft. from last 3 ft. vein
Value trace

No. 21 Vein in W. wall
Value trace

No. 22 25 ft. from No. 20, 3 1/3 ft. vein
Value trace

No. 23 11 ft. from last 2 1/3 ft. vein
Value 0.75

No. 24 8 ft. from last 2 ft. vein
Value trace

This last sample is 217' from the forksof the tunnel. The
long stretches not sampled were timbered up. It is not probable that they carried more values than the part sampled or they would not have been so closely timbered.

**LEAD STREAK SAMPLES.**

Assayed for gold, silver and lead. These samples were taken the full width of the vein as the ore would be mined for a mill. The lead streak itself is small, having an average width of 4 4/7 inches and a length so far as developed of 105 ft. The sorted ore sample represents the value of this streak alone.

<table>
<thead>
<tr>
<th>No.</th>
<th>Sample Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Wend of streak 2 1/4' vein, 32 ft. from forks of tunnel</td>
<td>$1.80</td>
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<tr>
<td>26</td>
<td>15 ft. E. of last, 2' vein</td>
<td>3.00</td>
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<tr>
<td>27</td>
<td>15 ft. E. of last, 15&quot; vein</td>
<td>3.10</td>
</tr>
<tr>
<td>28</td>
<td>15 ft. E. of last, 2 1/2' vein</td>
<td>2.80</td>
</tr>
<tr>
<td>29</td>
<td>15 ft. E. of last, 2 1/2' vein</td>
<td>4.00</td>
</tr>
<tr>
<td>30</td>
<td>15 ft. E. of last, 2 1/2' vein</td>
<td>3.40</td>
</tr>
<tr>
<td>31</td>
<td>15 ft. E. of last, 18&quot; vein</td>
<td>.40</td>
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<tr>
<td></td>
<td>Sorted ore</td>
<td>12.92</td>
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</table>
I HEREBY CERTIFY, THAT THE SAMPLES ASSAYED FOR
GAVE THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS:

<table>
<thead>
<tr>
<th>No.</th>
<th>MARKED</th>
<th>GOLD OZ.</th>
<th>SILVER OZ.</th>
<th>LEAD %</th>
<th>(WET) COPPER %</th>
<th>GOLD VAL.</th>
<th>SILVER VAL.</th>
<th>LEAD VAL.</th>
<th>(DRY) COPPER VAL.</th>
<th>TOTAL VALUE</th>
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<tr>
<td>1</td>
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</tbody>
</table>

No. 8252
Charges, $
I HEREBY CERTIFY, THAT THE SAMPLES ASSAYED FOR
GAVE THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS:

| No. | MARKED | GOLD (OZ.) | SILVER (OZ.) | LEAD (WET COPPER /% ) | GOLD VAL. | SILVER VAL. | LEAD VAL. | (DRI COPPER VAL. | TOTAL VAL.
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No. 8253 Charges, $
I HEREBY CERTIFY, THAT THE SAMPLES ASSAYED FOR GAVE THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS:

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<th>No.</th>
<th>MARKED</th>
<th>GOLD Oz.</th>
<th>SILVER Oz.</th>
<th>LEAD $</th>
<th>(WET) COPPER $</th>
<th>GOLD VAL.</th>
<th>SILVER VAL.</th>
<th>LEAD VAL.</th>
<th>(DRY) COPPER VAL.</th>
<th>TOTAL VAL.</th>
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No. 8254

Charges, $
ALBERT B. SANFORD,
1727 CHAMPA STREET.
CERU'ICA...$AY. 0 YEA. COLO.,4~.jJ'
I HEREBY CERTIFY, THAT THE SAMPLES ASSAYED FOR...
GAVE THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS:

<table>
<thead>
<tr>
<th>No.</th>
<th>MARKED</th>
<th>GOLD (oz)</th>
<th>SILVER (oz)</th>
<th>LEAD (%)(WET) COPPER</th>
<th>GOLD VAL.</th>
<th>SILVER VAL.</th>
<th>LEAD VAL.</th>
<th>(DRY) COPPER VAL.</th>
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No. 8255
Charges, $.

Ac. 18 1905.
Geo. J. Bangcroft

Albert B. Sanford
ALBERT B. SANFORD,
1727 CHAMPA STREET.

CERTIFICATE OF ASSAY.

I HEREBY CERTIFY, THAT THE SAMPLES ASSAYED FOR
GAVE THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS:

<table>
<thead>
<tr>
<th>No.</th>
<th>MARKED</th>
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<th>SILVER OZ.</th>
<th>LEAD %</th>
<th>COPPER %</th>
<th>GOLD VAL.</th>
<th>SILVER VAL.</th>
<th>LEAD VAL.</th>
<th>(DRY) COPPER VAL.</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

No. 8256

Charges, $
## Certificate of Assay

**ALBERT B. SANFORD,**

1727 CHAMPA STREET.

**CERTIFICATE OF ASSAY.**

**DENVER, COLO., Dec. 18, 1905.**

I HEREBY CERTIFY, THAT THE SAMPLES ASSAYED FOR GAVE THE FOLLOWING RESULTS PER TON OF 2,000 POUNDS:

<table>
<thead>
<tr>
<th>No.</th>
<th>MARKED</th>
<th>GOLD (Oz.)</th>
<th>SILVER (Oz.)</th>
<th>LEAD %</th>
<th>(Wet) COPPER %</th>
<th>GOLD VAL.</th>
<th>SILVER VAL.</th>
<th>LEAD VAL.</th>
<th>(Dry) COPPER VAL.</th>
<th>TOTAL VALUE</th>
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</thead>
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<td>79</td>
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<td>4.54</td>
<td>3.19</td>
<td>4.09</td>
<td>12.92</td>
<td>8257</td>
</tr>
</tbody>
</table>

**No.** 8257

Charges, $
MAP SHOWING SAMPLING OF THE BREEKENRIDGE GROUP EMPIRE, CLEAR CREEK CO. COLO.
Dec 4-05 Scale 200' = 1"