MR 66a

STOCKS, BONDS, SECURITIES

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INTERSTATE INVESTMENT CO.

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1118 ASHLAND BLOCK

TELEPHONE CENTRAL 3053

CHICAGO, Oct. 24th, 1905.

Prof. Henry C. Beeler,
State Geologist,
Cheyenne, Wyo.

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Feb 2.07

GEOLOGICAL SURVEY OF WYOMING

Dear Sir:-

I am sending you herewith application for report and check for $100.00 in payment, a flash-light photo. of the ore streak in drift B. S. M. Shaft and one of part of streak in Anconda Tunnel, and under two other covers, my Map of the Region and photo. of McFadden's Survey, tracing of my properties at Three Forks and roast of a chunk of ore with the Scorifier I roasted it in.

This roast I send because I thought it might be desired in your State Collection. I made it by keeping it covered in the B. S. M. Blacksmith Forge for 13 minutes and then oxidizing away the Lead from the scorifier in the open fire of the forge. I did not attempt to melt out all the mineral in the piece of quartz, as I wanted some of it to remain on the chunk. In the scorifier there are scores of minute beads of silver and that rough elongated grey ridge about 1/4 inch long is also pretty near pure silver. This scorifier may break in transit, but some that are broken I have cemented very solidly with Le Page's Glue.

You will see by the weight of the piece of ore that the metal is not nearly all burned out, and by careful examination with glass, you will find almost innumerable metalics upon it in almost pure silver and Lead Beads at almost every stage of oxidation. On the most glassy, blackened flat side, you will find a considerable Bead that manifestly contains considerable Copper, and on the side of the lesser angle, near the edge next the blackened side is a partly oxidized Lead that appears to have some Copper, while further down the same angle near the middle line, 3/16 of an inch from the lower bright red stain there is a yellow-tinged Bead that indicates a fair percentage of Gold. Again, close to the upper left-hand corner of same side is a well coppered Bead. On the opposite angled side there is considerable green stain, about half way down, close to the edge of the blackened side, is a nearly oxidized Bead that is very prettily stained and set in the dark green.

On the rough side, which was turned up in the roast, little metal appears, yet there is one Bead set in the glassy place towards the little end from the middle that has sufficient yellow tinge to indicate good percentage of gold. The rectangular flat side also has metalic beads, making metals represented on every side of the chink.

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State Geologist, Cheyenne, Wyo.

I estimate this piece to have carried probably 200 ounces Silver per ton, with possibly some Gold. I have other roasts that give out fully five times as much Silver as this, and some that have handsome small beads of unquestioned nearly pure gold, but no other that manifests the variety of mineral this one I send you does, so I send this as illustrative of what there is in the ore.

AS TO THE PROPERTIES:

EEASE PLACER takes the whole of S. 1/2 of S. 1/2, Sec. 14, (T. S. 13 N., R. 86 W., 6th P. M.), except Lode Claim conflicts.

BATTLE STREET PLACER, N. 1/2 of S. 1/2, Sec. 14, ex. L. C. Conflicts

NORTH BENCH PLACER takes in part of N. ½ 13 and N. E. 14, ex. L. C. Conflicts.

These placer boundaries are shaded. I have washed out gold and Silver from each of these placers, but I have devoted all my ability to develop towards miles to the Lode Claims and don't know how valuable the placers may become.

The two claims "NORTH FORK" and "TABLE SPOON" belong to the Boston Sierra Madra M. I. Co., of which I own nearly all the stock. North Fork is patented. Table Spoon is in Land Office now for patent.

VEIN:

The North Fork Vein has a course N. 45 deg. 55 min. W., a dip N. E. about 20 deg. from the vertical into the hill and has been opened up to view close to the surface, or actually crops for 1760 feet. It shows strong mineralization in most of the openings. The ore is Lead and Zinc Sulphides, carrying Gold and Silver with some Copper.

ORE MATTER:

The mineral carrying rock is smoky white quartz, bordered and seamed with Hematite, which, in places, carries free gold. There are several quartz streaks.

DYKE:

And the whole is carried in a dyke of that black rock generally called Diorite in the district, but which partakes in part of Andesite according to most of the more highly classed opinions I have obtained.

COUNTY ROCK:

The county rock, in which the Diorite Dyke lies, is Granite, with Gneiss belts parallel to dyke, commencing 1/4 mile N. E. and at right angles with dyke across the river 1000 feet from North End

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Prof. Henry C. Beeler, CHICAGO, Oct. 24th, 1903.
Cheyenne, Wyo.

Line of Independence Claim.

COPPER:

There is much Copper Pyrites disseminated through the dyke rock.

DEVELOPMENT:

The working shaft is down 160 feet and has a good sized ore streak all the way, which, in places, is 26 inches wide of nearly solid mass of Galena and Blend. The actual measure, where the flash-light was taken, is from 15 inches to 18 1/2 inches.

WITH SILVER:

In some places, where there is less Galena and Blend, there are cells of pure Silver.

VALUE:

Specimens of the Galena with manifest Chlorides have assayed 600 ounces Silver per ton, and Quartz and Hematite specimens have assayed 33 ounces Gold and 72 ounces Gold. The last average made on workable ore, omitting every test of specially rich ores, was $36.29 per ton of Gold, Silver, and Lead, with ore lots not tried for Lead. Basis: Silver, 60 cents per ounce; Lead at $4.00 per C. V. T. Trial shipments to smelter have averaged $42.09 per ton.

CROSS VEIN:

A large cross-vein having a course N. 88 deg. E. and dipping North about 10 deg. from the vertical, intersects the North Fork Vein 490 feet from the N. End of the North Fork Claim. This vein consists of quartz streaks and metamorphosed rock of the diorite character. It is at the surface on the side hill at the mouth of the tunnel 23 feet wide, and carries low-grade Gold, Silver and Copper.

TUNNEL:

A tunnel is in 275 feet on this vein and will intersect the N. F. Vein in about 135 feet more. The tunnel is 4 feet x 6 1/2 feet in the clear above the car tracks and is timbered with square sets and lagin, except where the walls need no support.

SHAFT:

The shaft is four feet by eight feet in the clear, timbered with substantial cribbing wherever support is needed; is divided by solid partition into manway and bucket-way with slides for bucket. Man-way is laddered with oak sound ladders and has safety landing and platforms every 16 feet. The shaft is ventilated with tube and equipped with F. M. Davis whim in a temporary log

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CHICAGO, Oct. 24th, 1905.

shaft house 22 ft. by 40 ft. Beside this working shaft and tunnel there are on the property many prospecting shafts and cuts from 10 to 60 feet, making a total of about 675 lineal feet of ground work.

PARALLEL:

Parallel discovery shaft in on a vein of smoky white quartz, much honey-combed at surface, having little beside hematite. There are several other cuts along this vein. Vein dips N. E. about 5 deg. from vertical.

PARALLEL EXTENTION:

Parallel Extention has several prospecting shafts and cuts along the vein, both sides of the river, which show Copper very strongly North of the River. In the discovery shaft, from the surface down, the vein is about 3 feet wide. Vein dips N. E. about 5 deg. from vertical.

NORTH FORK EXTENTION:

North Fork Extention has a 5-foot leade in the discovery shaft in the hillside 250 feet North of the River. This vein has not been tested for values nor has the claim been further prospected. Dip of Vein in this claim at surface is west about 8 deg. from vertical.

ANCONDA:

Anconda has a development Adit Tunnel 4 ft. x 6 1/2 ft. in the clear, well timbered in through unstable ground. This tunnel is 100 feet long and all the work has been done in vein matter. The ore in tunnel is low-grade Copper, Gold and Silver. The vein crops at surface on the hillside about the line of the tunnel. Vein dip is S. W. about 80 deg. from vertical. You will note part of the ore streak on the foot wall by flash-light photo. inclosed.

INDEPENDENCE:

Independence is on a quartz vein along the contact line of a diorite foot wall and Gneiss hanging wall, and dips but slightly into the hill to the N. W. At the open-cut, near the center of the claim (which is the discovery cut), there is a very large out-crop of Copper, which has not yet been cut through either in depth or width.

Starting from the South Side Line 190 feet from S. E. Corner is a 90-foot cross-cut tunnel 4 ft. by 6 1/2 ft. in clear. This tunnel is wholly in the Diorite, which is impregnated with Copper Sulphides, chiefly Pyrites.

On the hillside, above the tunnel, there are several prospect

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cuts and shafts on the leade along the contact.

HOMESTAKE:

Homestake is located on the same vein, that is the cross vein on the North Fork Claim. This vein bends to the South to about the same course the river takes. The 40-foot tunnel from the river bank is all in the diorite, which carries some Copper Pyrites as the same rock does on the North Fork Claim. In the discovery cut there is a well defined vein about 3 feet wide, dipping South about 30 deg. from the vertical, into the hill, thus having an opposite dip to that of the extention on the North Fork Claim across Homestead Creek. A six-inch streak on the hanging wall side of this vein tests 19% Copper, with some Gold and Silver.

THREE FORKS VEIN:

Monarch, Three Forks and Battle Ax Lode claims are all on what is called the Three Forks Vein, which is well defined, and largely mineralized from near the South bank of the river throughout the three claims to the South, and for more than 2000 feet across the State Line into Colorado, making more than 6500 feet of this vein that is known to be largely mineralized. The course of the vein, where the ground is nearly level, is approximately North 25 deg. West and dips N. E. about 8 deg. from the vertical. Like the North Fork Vein it lies in a dyke of the so-called Diorite, except that near the joint end lines of Three Forks and Monarch it is on the contact line of the Diorite and Granite, the Granite forming the hanging wall.

WIDTH OF VEIN:

About where Three Forks and Battle Ax claims join there are either several veins, or the general vein is 120 feet wide. The ore bearing rock is mostly white quartz and the ore Argentiferous Galena, with a trifling amount of Zinc Blend, with now and then different ores of Copper in insignificant quantity. There is quite a little Silver Chloride in places, some Lead Carbonates and abundance of Hematite. Some Gold is carried in the Hematite and in the solid quartz. One strong streak apparently on the foot wall of the great vein extends the entire length of the vein so far as it has been opened up. This streak, so far as it has been opened up, is from six inches to 54 inches wide, carries approximately 10% Lead and runs about $30.00 on an average in Lead, Silver and Gold.

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Other ore streaks carrying the same minerals and having the same dip extend in lines parallel to this large one, the furtherest one being 120 feet from the large and constant one.

DEVELOPMENT:

On Monarch there is a 170-foot Adit Tunnel on a spurr of the main vein and many 10-foot shafts and cuts.

On Battle Ax, one 22-foot shaft, one 90-foot shaft and many cuts and trenches.

On Three Forks there starts an Adit Tunnel, which runs at a level to cut the 90-foot shaft on Battle Ax, 106 feet from surface. This tunnel has a length of 401 feet. On Three Forks there are also several cuts and trenches, taking a grand total of ground work on these three claims of between 1100 and 1200 lineal feet.

Of all the claims Three Forks, Battle Ax and North Fork are patented and Cable Spoon is now in Land office for patent.

The properties are located in Sections 11, 12, 13 and 14, T. 8. 12 N., R. 86 W., 6th P. M.

As you requested me to give you data when I should write for the report, and I don't know just what data you want of me, I am giving you quite a complete statement, so that you can draw from it whatever you want, either in body or as conclusions,

Very truly yours,

L. W. Page

P. S. I had overlooked the remark of your letter of Aug. 2nd (until I had filled out the blank and written the above for one report) stating distinctly that I can have two separate reports, one on the B. S. M.; and the other on my personal holdings, so I am sending two written applications, modelled like your blanks.

No._____.

APPLICATION FOR MINE REPORT.

Henry C. Beeler, State Geologist,

Cheyenne, Wyoming.

Sir: Enclosed find fee for examination of the Pease group of mining claims, consisting of nine Lode Mrtg, located in the Three Forks Mining District, Carbon County, Wyoming, and situated about 14 miles from the town of Battle, Wyoming.

Development work has been done on said claims as follows:

Shaft,.....300 feet.

Open cuts or tunnels,----------1081 do.

Other work,.....200 do.
Total Development,.....1581 do.

Property may be reached by Wagon Road from Battle, a distance of fourteen miles.

Name of Owner: L. A. Pease,
Address: 1118 Ashland Block,
Chicago, Ill.

No._____.

APPLICATION FOR MINERAL PATENT.

Henry C. Beeler, State Geologist,

Cheyenne, Wyoming.

Sir: Enclosed find fee for examination of the North Fork group of mining claims, consisting of two Lode Claims, located in the Three Forks mining district, Carbon County, Wyoming, and situated about fourteen miles from the town of Rattle, Wyoming.

Development work has been done on said claims as follows:

Shafts,.....240 feet.

Open cuts or tunnels,.....175 do. -

Other work,.....160 do.
Total Development,.....575 do.

Property may be reached by Wagon Road from Rattle, a distance of fourteen miles.

Name of Owner: Boston Sierra Sacra Mine Industry Co.
(L. A. Bence, owning majority of stock,)
Address: 1118 Ashland Block,
Chicago, Ill.