THE LUCY BELL MINING COMPANY.
ARIZONA.
Mr. Edwin C. Mitchell,
Santa Barbara, California.

Dear Ed:-

Last week I went over the properties of the Lucy-Bell Mining Company, near Bisbee, Arizona. The proposition is larger and of greater value than I had anticipated. It is a mountain of low grade ore crossed with a number of veins which might be classed as more or less high grade.

In all, the Company holds 32 claims, which take in the greater portion of the mountain. The mountain rises from the plains at an elevation of 5000 feet to an elevation of 9287 feet at its summit. The slope is gradual, at first, then becomes very steep. The Company's ground is crossed by 15 known veins or dikes, all showing values, and these values seem to predominate in gold.

While this property is close to what is called the "copper belt" its principal values are in gold, silver, some lead and a little copper.

There are many small placer operations in the creek bed which is the natural drain for all waters coming from this ground. While the placer operations are small, the nature of the gravel would necessarily compel them to be small. There is not a great amount of water for placer mining and the creek bed is full of large boulders. They are compelled to gouge around these boulders, screen their material and wash through some machine that will admit of using the water over and over again.

I mention this to show that there is gold in the natural wash coming from every draw leading from this mountain. In the bank, in Bisbee, Arizona, is a nugget weighing out $740.00 which Mr. Jones informs me came from this placer ground. The placer ground is of no commercial value as I see it, but it is evidence that there is gold in them there hills.

To give you some idea of the nature of the ore, I will list a few of the assays which have been handed to me: Several small mill runs have been made and the assays from those are as follows:

496 pounds concentrates ran
Gold 3.47 oz. silver 83.8 oz. lead 13.6%, copper 1.48% per ton.

2492 pounds concentrates
Gold 3.4 oz. Silver 8.6 oz. lead 11.4% per ton.
Mr. Mitchell

99 pounds concentrates—
Six sacks of gold ore, not concentrated—
Gold 1.3 oz. Silver 1.9 oz. Lead 2.9% per ton.

A sample was taken across a six foot vein at surface which assayed 1.2 oz. in gold. This vein will not be cut by the tunnel but to my mind is the makings of a mine itself.

I have never seen as great a number of veins carrying different minerals, yet all having a big gold content. For instance, in different veins among the fifteen you will find tungsten, manganese, cinnabar, copper, lead, silver, asbestos, and in one, radium. And they all carry gold in greater or less quantity.

A tunnel has been started at the base of the mountain and at present time has been driven to a length of 98 feet. This tunnel, continued, will cut all but two veins or dykes and in no case will the distance between dykes or veins be greater than 200 feet. At a distance of 186 feet from the present breast of the tunnel one of the main veins will be cut. This vein has had considerable prospecting. There is a drift on the vein and a winze down 40 feet at a point 300 feet from mouth of drift. Ore from this winze assayed $85.00 per ton, nearly all gold. This vein at surface shows a width of 15 feet and assayed across its width $6.30 per ton. This tunnel can be driven by contract for a distance of 200 feet not to exceed $15.00 per foot.

At the present breast of the tunnel they are just through a five foot vein which shows a value of $13.00 per ton. Ore from this vein could be run through the small pilot mill now on the ground and would help pay for cost of tunnel.

On the crest of the mountain and owned by the Lucy-Bell Mining Company is a vein known as the Alta Dyke. This is a very high grade silver vein carrying a valuable content in gold. Ore from this property has been higraded by Mexicans and they are continuing to do so. This vein would be cut by the main tunnel.

About two miles from the Alta Dyke is what is known as the New York Mine, owned by New York people. I am told by people where I believe have reason to know and whose word I think is good, that the record of production of the New York is over three million dollars. They still own the property, all taxes paid, and they will not sell or lease it. Their values were gold and silver.

To the west of the Lucy-Bell and near the New York is the Black Bear, which also has a record of production behind it.
These veins lie largely in a porphyry. There is a porphyry and lime contact. One of the main veins is this contact vein and it is the one which will be cut in 168 feet from the present breast of the tunnel. There are also schist and diorite crossings.

In connection with the mine is a mill site and sufficient water will be developed in the mine to carry on extensive mill operations.

The fact that it is a tunnel proposition with such a great extent of stoping ground overhead, makes it an ideal low grade proposition and one is not confined to one source of ore. There are many sources of ore, all veins showing good width, and they can be traced the full length of the claims, or from one side of the mountain to the other, which is the length of the claims or holdings.

Many high grade pieces of gold float have been picked up on the mountain but from where they come is not known. There is no reason why this property should not pay from now on. The tests made on the ore now showing up in the tunnel show a profit can be made. It has the earmarkings of being one of the big mines of the southwest. All veins have shown greater values as work progresses on them. They all have been opened up and tested to warrant driving of the tunnel. Equipment is in place to drive the tunnel and a small pilot mill is on the ground, ready to be set up and placed in operation.

The Crockett shaft, two thousand feet to the west of the tunnel is known to be paid. The owner made a shipment, got on a glorious drunk, spent his last cent and finished in the cemetery. He had no heirs but as soon as his time limit of ownership ran out the present owner located it. They have lacked the financial means of going ahead either with it or the main tunnel.

I would like very much to have you see this property. It is 498 miles from Los Angeles and J. Frank Jones is on the ground. A letter to him at Lowell, Arizona, would have him prepared for your arrival. We would like to drive the tunnel 300 feet before negotiating a sale of the property, as it would then be in a much better condition to show. We would have a year to handle the property and could then make a sale or operate it under bond and lease.

Let me know if you plan to stop and see this property on your way to Colorado.

Yours very truly,

(Signed) Jas. J. Girardet, E.M.
Mr J.Frank Jones.,
Lowell, Arizona.

Dear Mr Jones:-

I have had a good many years of experience in examining mining properties throughout California, Colorado, Alaska, and Arizona, and as you ask my opinion in regards to your holdings in the southeastern base of the Wasatch Mountains, I will frankly say that your property is ideally situated. Through a practical examination I find a great similarity of the Cripple Creek district of Colorado is in evidence.

The lines you are extending your explorations on at the present time should put your property on a paying basis in a short time.

I see no reason in the world why, with the expenditures of the money proposed, your property should not be one of the best paying mines in the southwest.

If I may be of any assistance to you at any time, I shall be glad to do so.

Respectfully,

(Signed) R. C. Hyde, M.E.

Denver, Colorado.
<table>
<thead>
<tr>
<th>Description</th>
<th>Weight (lbs.)</th>
<th>Value ($)</th>
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<tbody>
<tr>
<td>4 cans gold ore</td>
<td>406</td>
<td>$24,70</td>
</tr>
<tr>
<td>20 cans gold ore</td>
<td>2409</td>
<td>$4207.20</td>
</tr>
<tr>
<td>1 can gold ore</td>
<td>99</td>
<td>$207.20</td>
</tr>
<tr>
<td>6 sacks gold ore</td>
<td>484</td>
<td>$34.70</td>
</tr>
<tr>
<td>Moisture 2%</td>
<td>433</td>
<td>9% net wet, 9% net dry.</td>
</tr>
<tr>
<td>Moisture 6%</td>
<td>328</td>
<td>9% net wet, 9% net dry.</td>
</tr>
<tr>
<td>Moisture 1%</td>
<td>228</td>
<td>9% net wet, 9% net dry.</td>
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The Lucy-Bell Mining Company has incorporated under the laws of the State of Arizona. It has a capitalization of 3,000,000 shares of $1.00 par value. There have been issued approximately 850,000 shares.

The mine is located 20 miles from Bisbee and 46 miles from the smelter at Douglas, Arizona, and the distance to the smelter at El Paso is about 226 miles. The closest railroad point is at Stark, Arizona - 9 miles - the first six miles being on a down grade of 1 1/2%.

The property comprises 32 claims, approximately 700 acres, taking in an entire mountain, the apex of which is 9287 feet above sea level, with numerous adjoining and connecting ridges and lower lying hills. The approach to the mountain from the road from Bisbee is a very gradual one, the elevation at the base of the mountain being approximately 5000 feet.

The mountains are covered with the varieties of oak trees, with pines at the higher altitudes, indigenous to the country.

The water supply, at present, is furnished by a 2 inch line running from the property of an adjoining cattle company. Well water is also available for domestic purposes. The mine itself, from the numerous shafts and winze sunk, which are filled and partially filled with water, promises to furnish all of the water required to carry on.

There are three small houses, running from 2 to 4 rooms, on the property, located on a large flat and at an elevation of approximately 5000 feet. This large flat, showing a gradual incline, is ideally located for the erection of the mine buildings.

The entire property has been thoroughly prospected.

The contour map shows the outline of this extensive property and the locations where the company took its samples, the numbers on the map corresponding with the numbers of the certificates of assay.

We took samples at various points to verify the assays of the company and you will find "our" samples numbered to correspond.

The company's workings to prove up their property are very extensive, and we will let follow an enumeration of the workings we checked up.

Just below the main tunnel, below the mountain proper, we found an old shaft 5 feet by 8 feet, 87 feet deep - in ore - assaying $2.05 in silver - partially filled with water.
The main tunnel enters the mountain about thirty feet above and to one side of this shaft where the porphyry changes to lime. The tunnel is 38 feet long, showing a vein of five feet of ore at its end. WE TOOK SAMPLE NO. 1 ACROSS THIS VEIN. The dump shows approximately 400 tons averaging $6.00, with an assay in the breast of the tunnel of $13.00. There are about 150 feet of track, 1 mining car, 1 Ingersoll-Rand tool sharpener, 1 No. 3 Buffalo Forge, 3 pneumatic drilling machines and one 5000 gallon cement tank.

A sample taken on the surface, about 15 feet from the end of the tunnel, showing a four foot vein, assayed $6.00 in gold, silver and lead.

About 157 feet above previous tunnel is located tunnel No. 2, showing outcrop of vein 200 feet long. Tunnel is 328 feet long with track and airline. Vein at end shows 12 foot face. SAMPLE NO. 2 TAKEN ACROSS THIS VEIN. Dump contains approximately 1800 tons, averaging $6.25 in gold, silver, copper and lead. A winze was sunk in this tunnel 26 feet deep - in ore-filled with water. No means are provided to de-water this winze, which the company's assay shows having a value of $85.00. There are two 5,000 gallon cement tanks, or rather one tank with a partition through the center, giving a total capacity of 10,000 gallons.

About 125 feet above previous tunnel is located tunnel No. 3 - 90 feet long, and the face of the blowout at end shows a 4 foot vein across which WE TOOK SAMPLE NO. #3. An assay taken of ore about 20 feet in the tunnel averaged $4.50. Approximately 600 tons in dump averaging $6.00.

About 40 feet above previous tunnel there is an open cut showing a 3 foot vein as far as hole was opened. Depth of hole being five feet below grass roots. SAMPLE NO. 4 WAS TAKEN ACROSS VEIN.

About ten feet above previous open cut ore was found exposed assaying $12.20.

About 100 feet above previous open cut ore was found exposed assaying $2.85 to $3.90. This location is known as "The Gannon."

Tunnel No. 4 is about 400 feet higher than the previous open cut. It is 25 feet long with 5 feet of ore visible, running silver and gold. Blowout at end of tunnel. No assay.

There is an open cut at one side and below this tunnel about 12 feet square, assaying $27.00, cut shows a three foot vein. A large piece of ore was taken here. At another point off to one side and located at apex of lower hill there is another open cut 12 feet wide, containing boulders of ore weighing 2,000 pounds, or more. This ore runs gold $15.00. A large piece of ore was taken. It is only a surmise that this
Lucy-Bell Mining Co. -3-

rock contains a radium bearing ore.

Another 12 foot diameter open hole carries $12.00 values.

There were at least four more open holes, all showing ore, that we did not stop to see.

On a lower hill we found a shaft (Crockett) 75 feet deep -in ore - a cross cut 40 feet long carrying a $30.00 value.

Tunnel No. 5 was 32 feet long, showing four feet of vein and SAMPLE NO. 5 WAS TAKEN.

The following day we went to one of the claims with a number of surface showings of asbestos in diurite. One vein showed a width of six inches and sample was taken on "Gold" claim.

Three more open holes, showing ore in place, about 10 to 12 feet deep, carrying $12.00 value in gold, silver and lead were found.

SAMPLE NO. 6 OF ORE SURROUNDING AN ASBESTOS SHOWING WAS TAKEN.

A sample of ore was taken from a pile of rich ore from Alto Dyke where assay showed $93.00. This is located at west end of the property.

Our conclusions are this is a highly mineralized property, and the numerous showings of ore have demonstrated various values of fair and fair to good values in the oxide zone with the promise of values holding out in the sulphide zone. It is a natural conclusion they will become better. Hence from the surface showings and underground workings there is a vast amount of ore available that can be taken out through the main tunnel by up-raising to the bodies of ore disclosed by the tunnels driven at the higher levels or by subsequent caving methods. Operations should therefore be cheaply conducted and the mine should pay for itself from the ground up. The location of this property in the great mineral belt extending from Cananea in Mexico, to Bisbee, and just about midway between these established mining camps speaks well for it from the geologist's point of view.

We therefore consider the property desirable and one that should be milling ore for years and years to come.

However close this property is to the well known copper mines, its principle values are gold, silver, copper and lead.

Respectfully submitted,

Nogales, Arizona. (Signed) R. Best, M.E.

July 29th, 1929.