

North Tintic Mining Company

Operating in Tintic Mining District, Utah

CAPITALIZATION 2,500,000 SHARES, NON-ASSESSABLE, PAR VALUE \$1.00, \$2,500,000.00

OFFICERS AND DIRECTORS

A. L. BOOTH, *President*
A. T. MADSEN, *Director*

M. J. THOMAS, *Vice-President*
ELMO S. CULBERT, *Director*

HARVEY H. CLUFF, *Secretary and Treasurer*
Attorney General, Utah, 1921-1929

PROPERTIES

Consists of 20 full mining claims ALL PATENTED aggregating a total of 411 acres.

LOCATION

Properties of this company are located in the Tintic Mining District of Utah, north of the Tintic Standard Mining Company and the North Lily Mining Company and Northeast of the main workings of the Chief Consolidated Mining Company and is practically surrounded by Chief Consolidated ground.

The properties of this company lie in the north extension of the ore zone in which are found the big ore bodies that have made the Tintic Standard, Chief Consolidated and North Lily Mines and there is every reason to believe that development at depth will develop the same big ore bodies in the property of the North Tintic Mining Company.

DEVELOPMENT

Consists of tunnel in 400 feet driven on a cross fissure to locate main fissure. A main shaft is being sunk at an advantageous point between two north and south fissures and two east and west fissures with the view of cross cutting to these fissures with depth in the shaft. This will enable the company to prospect four known fissures as the shaft goes down.

GEOLOGY

This property has been favorably reported on by three well known mining engineers and geologists and we reproduce below their reports. The reports of Dr. James E. Talmadge, Mr. Murray O. Hayes and that of Mr. Charles A. Porter were made to the Tintic Delmar Mining Company before the property was patented and taken over by the North Tintic Mining Company. The property is the same, except that the North Tintic Mining Company patented only twenty of the best claims.

NORTH TINTIC MINING COMPANY (Formerly Tintic Delmar Mining Co.)

Report by

DR. JAMES E. TALMADGE
Consulting Geologist and Mining Engineer,
Salt Lake City, Utah

To the President and Board of Directors, Tintic Delmar Mining Co.,
Provo City, Utah:

Gentlemen—In accordance with your request, I have made a general examination of a portion of your property and respectfully report thereon as follows:

The examination was made on the 2nd of December. It is proper to add, however, that I was already acquainted in a general way with the structural features of the region through earlier work. I was conducted over the property by your president, Mr. Andrew Madsen, accompanied by Mr. Alma T. Madsen. A blue print map furnished me on the ground was inscribed as follows:

Claims of the North Tintic Mining Company, situated in un-surveyed Secs. 27 and 34, T 9 S., R 2 W., Utah county, Utah. H. V. A. Scale: 1"—400.

According to this map, and as stated by your president, the property comprises 27 full claims designated as "Tintic Delmar No. 1", to "Tintic Delmar No. 27," numbers inclusive, and one fractional claim known as "Tintic Delmar No. 28."

It will be readily understood that within the limited time of my visit, detailed examination could be made of but a small portion of the great area comprised within the boundaries of your property. The area more particularly examined covers part of Pine Canyon

along the northwesterly part of its course and the area adjacent thereto. These areas constitute the southwesterly portion of your property; and by reason of the deep canyon-cutting this portion appears best adapted for the work of prospecting and permanent mining.

The general geological structure is that of titled sedimentary beds, which over part of the area, are covered and obscured by igneous rock. The sedimentaries consist almost wholly of limestone beds of various degrees of purity, ranging from normal limestone to many grades of siliceous and clayey admixtures. These sedimentary beds constitute the country rock in place, as revealed by surface outcroppings easterly from Pine Canyon. The igneous rock, which appears as practically the sole surface rock westerly from Pine Canyon, consists principally of andesite and rhyolite, and may be conveniently designated by the name commonly applied to it by mines, viz.: porphyry.

I observed no indications of primary fractures or other breaks in the igneous rock such as would promise receptacles for ore accumulation. In my opinion such metaliferous deposits as do occur within this area will be found within the limestone formations. The general conditions of ore occurrence as shown in the region of producing mines lying southerly from your property, that is in the Tintic District proper, indicate the habit of ore bodies occurring in the fractures within the limestone mass. Fractures locally known as cross-breaks are encountered within your property, notably in the Tintic Delmar No. 2. One such fracture or cross-break is followed by the Tunnel, which is situated on the easterly side of Pine Canyon near the center of Tintic Delmar No. 2 claim; and another fracture or cross-break appears near the center of the northerly side line of Tintic Delmar No. 2. These fracture

planes or cross-breaks are traceable through the natural outcrops appearing on the hill slopes and crest easterly from Pine Canyon through claims Nos. 2 and 3.

The principal excavation and practically the only working of importance on the property consists of the tunnel already referred to, on Tintic Delmar No. 2 claim. This tunnel enters the hillside on the easterly side of the canyon, the portal being about 30 feet above the creek bed. The tunnel proper is approached by an open cut about 10 feet in length and runs from the portal in a general northeasterly direction for a distance of approximately 260 feet. In its course the tunnel cuts a series of limestone beds which present the most common dip and strike of the region, viz.: a strike approximately north and south, and a dip ranging from the vertical to a slight inclination easterly. The present face of the tunnel shows blocky, dark blue, limestone with abundant veinings of calcite and iron-stained material. Throughout part of its course, notably within 25 or 30 feet of the present face, the tunnel penetrates limestone which is markedly cavernous, the open spaces ranging from present face, the tunnel penetrates small "vugs" to cavities measuring 2 to 4 or more feet in each direction. The lining of these "vugs" and larger cavities consists of calcium carbonate with some iron-stained material.

At a point approximately 120 feet in from the portal, the tunnel connects with a branch running northwesterly through a distance of approximately 20 feet. This branch ends in a natural cavity or cave about 10x7, 10 feet high, with a smaller extension in a southerly direction. At the end of this northwesterly branch a winze descends vertically approximately 43 feet below the level of the tunnel floor. The winze reveals broken and cavernous limestone, with small deposits of fine grained material of a sandy nature appearing as local accumulations. As stated by your president, this material has been sampled and the samples have yielded to assay encouraging returns in both lead and silver.

The first hill-crest easterly from the tunnel shows a local anticline. On either side of the crest, a series of limestone beds is revealed, both blue and gray, with a strike of about N 30 degrees W. magnetic and a dip ranging from the vertical to 80 degrees. This series comprises a belt of the so-called "Humbug" limestone which is highly fossiliferous and richly veined with calcite and ferruginous filling.

General Remarks and Conclusions

From my study of this small part of your holdings and from a comparison of the structural features therein revealed, as compared with the structural features common to the region, I draw the following inferences, and in accordance therewith I venture to offer certain recommendations:

Easterly from Pine Canyon in its northwesterly course, the formation within your property is sedimentary, and comprises an extensive series of limestone beds. The so-called "Humbug" limestone is easily traced as a belt of approximately 150 feet in width with a general northwesterly strike, and a dip practically vertical. It is within this belt and more specifically near the contact of the "Humbug" mineralized deposits may be most confidently sought. The intersections of such contact with the cross-breaks already referred to are the most promising localities for ore occurrences.

The winze descending from the northwesterly branch of the tunnel reveals highly cavernous limestone near the contact of the blue and gray limestone shown on the surface and within the limits of disturbances incident to the cross-break on which the tunnel enters.

I am of the opinion that the formation revealed on the part of your property is highly favorable to lode structure and ore occurrences. While, of course, it is an undeniable fact that thus far ore has not been encountered and that your property must be regarded as a prospect not yet entitled to distinctive designation as a mine, its structural features and its immediate relation to the ore producing regions lying to the south make your mining enterprise a promising undertaking. In my judgment it would be a great mistake to permit the title to your property to lapse, as it is of practically assured value. I regard your enterprise as a good business undertaking in every way prudent and promising.

From the map furnished me, and from the oral statements of your president, I infer that the entire area has been duly surveyed for patent. The 28 claims, forming as they do a compact block, can be developed by work from a single center. I believe that no legal objections can be raised to the reasonable and prudent course of carrying on development work from one central point for the entire area comprised within your boundary lines. In view of the fact that your holdings comprise a large number of claims and that patent proceedings on the whole would be expensive, and in view of the further fact that work already done in the tunnel and its connections is good development work for the entire block of claims, I respectfully suggest that this work be applied to the patenting of as many of the claims as can be patented on the basis of such work. Then, as additional work is done, even though it be in the nature of extension of present work, such can be applied to the patenting of additional claims.

I regard the excavation work already done, viz.: the main tunnel with its branch and winze, as wisely planned and well executed. The natural and most advantageous location for a tunnel within your property is on the easterly side of Pine Canyon, within Tintic Delmar Nos. 2 and 3. Your tunnel is located within the lower and smaller cross-break revealed between the canyon walls;

and I recommend an extension of the work already begun rather than the beginning of a new tunnel through the larger cross-break which would promise but comparatively small advantage. It is to be recommended that the tunnel be extended on its course to the contact between the blue and gray limestone and that excavation be carried to the deep. The continuation of the winze is good work and I recommend that this be carried on with all convenient dispatch. At the present bottom of the winze the linings of the "vugs" and larger cavities is highly mineralized, and as reported to me, this lining material has already yielded good values in both lead and silver.

If any reliance is to be placed on analogy between the structural features of your property and those of the ore-producing regions to the south, you have an excellent prospect of encountering mineral deposits by the extension of work as indicated above. I believe that such analogy holds; and while you are to be regarded as the pioneers in mining exploration in this immediate region, your prospects for successful development are in all respects good, and the reward of persistent work and successful achievement will be correspondingly great.

I congratulate you upon the possession of so promising a property and trust that you will complete your title to the claims and prosecute mining work on an adequate scale. As stated above, I regard the undertaking as a sound and commendable business enterprise and one that should appeal to prudent and conservative mining investors.

I note that the hill-slopes are covered with a good growth of cedar and pinyon pine, which I judge would be suitable for the lighter work of mine timbering. Moreover, your property is well situated with references to railroad facilities, the point of convenient shipment being the D. & R. G. railway at a distance of between two and three miles from the cabin on the Tintic Delmar No. 1. Your president informed me that the matter of water supply is one of easy adjustment and that surveys for pipe line from springs less than three miles distant have already been made.

NORTH TINTIC MINING COMPANY (Formerly Tintic Delmar Mining Co.)

Report by

MURRAY O. HAYES,

Professor of Geology, Brigham Young University,
Provo, Utah

To the President and Board of Directors,
Tintic Delmar Mining Company,
Provo, Utah.

Gentlemen:

The following report is based on an examination made on June 11, 1923, in company with A. T. Madsen, of the mining property of your company in sections 27 and 34, township 9 south, range 2 west, Utah County, Utah, north of Tintic Standard.

The property consists of 27 full claims, designated as "North Tintic No. 1" to "North Tintic No. 27" inclusive, and a fractional claim "North Tintic No. 28."

Geologically, the detailed structure is very complex. It was noted that several hundred feet east of the cabin on North Tintic No. 1, the dip of the limestone beds is to the west, but as the cabin is approached, the dip changes to the east, forming a north-south syncline.

The west limb of the syncline is cut by the canyon where the canyon turns abruptly to the north, following a break. Somewhat less than a hundred feet north of the above turn is a fault or break on the north side of which the beds stand almost vertically, striking north and south.

These beds are of limestone, much of it soft and of a high degree of purity forming a country rock very favorable for the deposition of ores.

Some 250 feet west of the canyon in its northerly course is a zone at least 100 feet wide in westerly dipping beds, in which there are strong surface indications of the action of hot solutions, as the limestone is in many places silicified and frequently also stained a deep red. To the west of this zone is a strong north-south break.

To the northeast, many outcrops of the silicified limestone occur on your property, while beyond the limits of your ground in the same direction, are two strong "iron blowouts." In as much as the center of mineralization for the Tintic district lies to the southwest of your holdings, this is a good indication as it shows that the mineralizing solutions have not been stopped before reaching your ground. Clay gouge formed on the surface of the southerly dipping fault which has been reached by your tunnel, would have favorable tendency to hold up such solutions passing from the southwest, and cause them to deposit their load of minerals.

A few hundred feet beyond your west line is an aplite dike, 15 to 20 feet wide, which runs southeast and northwest, but does not reach your property. It is of significance to you, however, by indicating that igneous activity occurred thus close to your property. The possible underground continuation of the fracture into which this dike was intruded may even pass through your property.

The development work on the property consists of 400 feet of tunnel driven in the east side of the canyon, two winzes, respec-

tively 60 an 100 feet deep, and a shaft 50 feet deep on the west side of the canyon.

The tunnel is well situated on one of the easterly breaks and shows a shattered and cavernous limestone, with much secondary calcite and a number of mineralized veins, heavily stained with limonite. The tunnel has been turned and driven northward to intersect a fault surface which is almost vertical, but dips slightly to the south and also shows mineralization. Along this fault the sixty-foot winze has been sunk. The ladders having been removed from the winzes, no inspection of the winzes was made. Mr. Madsen informed me that very encouraging assays have been obtained from material taken from the tunnel.

The shaft is advantageously placed to reach depth in the limestone, being in the narrow canyon some hundred and fifty feet below the silicified outcroppings to the west.

The pine and cedar on the property is available for light timbering operations; water can be obtained without great difficulty; and the shipping facilities are excellent, the property being but two or three miles from the railroad and is connected therewith by means of a good road.

Conclusions and Recommendations.

The intersections of the strong north-south fractures with the cross breaks on your property, are exceptionally favorable for ore deposition, as the ore bearing solutions, following the north-south fractures from the center of mineralization, have every opportunity for spreading out and cooling in the much shattered and soluble limestone at these cross breaks. That hot mineral bearing solutions have been present on your property is clearly evident. The proximity of the alpine dike mentioned above, shows a possible source of minerals very close to your holdings.

I would recommend that the shaft be sunk to a depth of 250 or 300 feet and at that depth the ground be explored both to the east and west along the breaks. As there is a slight dip to the west in the beds here, it will be somewhat farther from the shaft to the break at that depth than it is on the surface, but it is believed that this distance would not exceed 600 feet.

From all geological indications your property has great possibilities, and it would be strange should a holding as advantageously situated as yours not prove to be a producer. While it is impossible to say what the structure is between your property and that of the Tintic Standard, not far way, owing to the surface being concealed by rhyolite and andesite, or porphyry, the strike of the beds exposed on your property and the mineralized and siliceous outcrops trend toward the property of the Tintic Standard and may lie in the same mineral zone as that mine.

Your property appears to be in every way a high-class, four-square proposition, which will richly repay development.

Respectfully submitted,
MURRAY O. HAYES.

NORTH TINTIC MINING COMPANY (Formerly Tintic Delmar Mining Co.)

Report by
C. A. PORTER

Of The Engineering Department of The Utah Copper Co.
Salt Lake City, Utah

Gentlemen:

As directed by you, I have made an examination of the Tintic Delmar property in the North Tintic District.

The property is a large one, consisting of 27 and a fraction claims. The title is held by location, the claims have, however, been surveyed for patent and are all accurately located and staked so that no question of title can ever be raised. The railroad is about three miles from this property. The location of the property in its general features is favorable as regards smelters, supplies, water, etc. These problems having been solved by the earlier comers to the district. The company is now driving a tunnel in the

Owners of Utah Mining Stocks have realized many millions of dollars profit during the past year, and a large part was made in the Tintic District in which the North Tintic Mining Company is now operating and there is every reason to believe that this company will make the big money for investors in its stock that has been made in Tintic Standard, North Lily and Chief Consolidated.

North Tintic stock offers the large and small investor an exceptional opportunity to get in the big mining boom in Utah under the most favorable circumstances.

North Tintic owns its 411 acres of patented property free and clear of all indebtedness, with money in the bank, ideally located for big production, with development well under way, under the management of well known and experienced mining men who have the confidence of the public where ever known, and there is every reason to believe that North Tintic stock will make investors big money and that quick.

face of which is now in 235 feet, and has approximately one hundred and fifty feet in depth. It is the purpose of the North Tintic management to continue this tunnel until a rib of "buckskin" limestone is encountered. This "buckskin" limestone has heretofore been found to be commonly associated with the ore bodies and is therefore used as a guide in the work of the company. They now have in the face of the tunnel, a deep red mineralized matter which carries some lead, silver and gold. This is probably a stringer coming from an ore body at some point below, as sufficient depth has not been attained as yet to hope for a first class ore body, as the experience of the district is that they seldom occur at a less than 350 feet. A visit to the North Tintic property shows a close resemblance between the property and that of the great mines recently developed in the Tintic District. In fact a line prolonged to the North from the Colorado, Beck Tunnel, Yankee Consolidated, Iron Blossom, etc., will pass through the North Tintic property. To the North of the mines just mentioned a lava flow has covered the older limestone formation, which does not appear again until the North Tintic is reached, when we find the same conditions present as when the lava cut them off to the south.

All the great producers of the district on the eastern side have obtained their ore from the so-called "Humbug" limestone. This name was given as it was in this character of rock that ore was struck on the "Humbug" claim. This rock is peculiar as it abounds in fossile remains, and when freshly broken, emits a strongly fetid odor. Another character that has probably been a factor in the formation of the ores, is that the bedding planes of the rock are almost perpendicular. Immediately to the west of a narrow strip of this "Humbug" formation, another character of limestone occurs. This is what is known as the Godiva limestone. This rock has its bedding planes nearly horizontal and continues on westward for nearly a mile. This rock has never produced an ore body that would pay for extensive mining operations. At the western edge of this barren "Godiva" lime, we again however come to a limestone with its bedding planes perpendicular. This has been called the "Mammoth" limestone by the U. S. Geological survey. This rock contains fossil, emits the same fetid odor as the "Humbug" limestone, and resembles it precisely, except that it is of a somewhat finer grain than the "Humbug."

The Centennial Eureka, The Grand Central, and the Gemini, are three of the great producers from this belt. The total recorded production from these two formations, viz.: the "Humbug" and the "Mammoth" being about \$40,000,000.

The very striking resemblance between these older mines and the North Tintic property forces me to expect a great mine in the North Tintic ground. I cannot, of course, go into the technical details of the property as the report would become too long, and I am confiding myself to the general features and results of my work, but in doing this I realize that details which are of value in showing a similarity of conditions are lost to the reader suffice to say, we have here the flat laying "Godiva" limestone with the steeply pitching "Humbug" limestone at its eastern edge. The latter showing no difference from the eastern side of the Tintic district proper. The fossils are in evidence, and the same odor is obvious on breaking the rock, the similarity extending even to the topography of the country.

Another point which would always be made in the reporting of a property is in regard to the management. Mr. Andrew Madsen who is in control of the property, and who will handle any capital you may supply, is a thorough and experienced mining man. He stands as a man of character and ability in the Tintic district. He has held important positions with the Beck Tunnel, the Colorado, and the Uncle Sam mines for the past ten years and is known all over the district as a man who has contributed to the success of these mines. His judgment in locating the North Tintic claims is evident from the manner in which he has covered the important geological features.

In conclusion I will say that you will hunt a long time before you will find so promising a project, and if you can make advantageous terms, I have no hesitance in recommending the property.

Respectfully yours,
CHAS. A. PORTER, Mining Engineer.

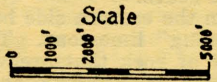
Jack Doron & Co.

517 Atlas Block

Salt Lake City, Utah

Phone Wasatch 7857

MAP
OF
NORTH & EAST TINTIC
MINING DISTRICT
UTAH & JUAB COUNTIES, UTAH



31

32

33

34

35

T.8S.,R.2W.,S.L.M.
T.9S.,R.2W.,S.L.M.

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UTAH GALENA
CORPORATION

HOPE STANDARD
MINING
Co.

FALKNER
&
BLUMENTHAL

WEST
BOWER

CHIMNEY ROCK PASS
MINING Co.

UTAH OIL & MINES Co.

PROV SURPRISE

HUMBOLT
D. AND B.

HOLDWAY
and
DIXON

TINTIC
APEX

EMERALD
SARAH

JOE

TINTIC
PAYMASTER

NICHOLS-TINTIC

LEHI TINTIC

MADSEN & FALKNER

UTAH
STANDARD
EXTENSION

DE-LUXE
MINING Co.

GEO. N. CHULOS

TINTIC SUPERIOR
MINING Co.

METALLIC

TINTIC DAVIS

3 WIDDONS

TINTIC
EMPIRE

SILVER
SHIELD

TINTIC
MAYFLOWER

TINTIC
CHIEF

QUADRANGLE

GEMINI

MINES Co.

DEPREZIN

TINTIC SUPERIOR
MINING Co.

3 WIDDONS

TINTIC
EMPIRE

SILVER
SHIELD

TINTIC
MAYFLOWER

TINTIC
CHIEF

QUADRANGLE

STANDARD

KNIGHT
INVESTMENT Co.

D. & R. CONS'D.

TINTIC SUPERIOR
MINING Co.

METALLIC

TINTIC DAVIS

3 WIDDONS

TINTIC
EMPIRE

SILVER
SHIELD

TINTIC
MAYFLOWER

TINTIC
CHIEF

QUADRANGLE

STEWART

BENNETT

DEPREZIN

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