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Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: PRINCE ALBERT

ALTERNATE NAMES:
PATENTED CLAIMS MS 3746

YAVAPAI COUNTY MILS NUMBER: 1128A

LOCATION: TOWNSHIP 13 N RANGE 2 W SECTION 25 QUARTER N2
LATITUDE: N 34DEG 28MIN 45SEC LONGITUDE: W 112DEG 25MIN 00SEC
TOPO MAP NAME: GROOM CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
SILVER
GOLD
LEAD
COPPER

BIBLIOGRAPHY:
BLM MINING DISTRICT SHEET 248
ADMMR PRINCE ALBERT FILE

PRINCE ALBERT MINES.

The Prince Albert Group of Gold, Silver and Copper Mines, consists of nine contiguous mining claims, aggregating an area of about 160 acres, situate about seven miles from Prescott, in the Hassayampa Mining District, Yavapai county, State of Arizona. These claims were located several years ago, on account of gold and silver ores, and have been worked since that time to show their high grade metal values.

The Prince Albert Group contains a well defined vein of gold, silver and copper, averaging in width about 10-ft, which traverse the ground through the entire length of the claims. The mineral possibilities of this vein from a geological standpoint, are remarkable. It is known as an East West vein, cutting the formation of the district. The several other veins, embraced on the properties, run with the formation, northerly and southerly, and form a junction, at the intersection of the East and West vein. It is known that where this condition exists large bodies of high grade ore are found. For instance at a point where the Prince Albert vein No. 4 intersects the east and west vein on the Prince Albert No. 1 eleven feet of \$19 a ton gold, 30 oz in silver have been cut, and the foot wall is not yet in sight.

The property is equipped with a steam plant, consisting of a 60 HP boiler; 25 HP hoist; 220 Cubic feet direct acting Sullival air compressor; power drills; tools; boarding house; blacksmith shop; hoist house, change room etc.

The development work consists of a shaft, double compartment, 4 x 4 feet. This shaft is timbered with the necessary cars, ladders, pumps, and all piping required for a depth of 600 feet.

The claims are connected with a good wagon road from the main State Highway, and the property is covered with a dense growth of pine, juniper and oak timber, estimated by experienced forest men to be valued at not less than \$50,000, which can be used for fuel and mining purposes. Water ample for all purposes. The Arizona Power Line crosses this property, making electric power cheap and convenient.

The mine is situated in the heart of one of the richest mineral bearing zones in Arizona, and is adjacent to, or in close proximity to such well known mines as the Midnight Test, Alma, Senator, Monte Cristo, Moscow, and Home Run, all of which are or have been producers of gold and silver.

The present development of the Prince Albert group consists of shafts, cuts and tunnels. The principal development done is on claim No. 4 where the steam plant is located, consisting of a 115-ft shaft and a 90-ft drift which has been run from the 100 level towards the east and west vein together with a drift south, at this point for a distance of 60-ft. The object being to continue north until the east and west vein is cut, thereby giving a depth of 160-ft from the surface, or approximately 100-ft below the point where the 11-ft of \$19 gold and \$15 silver has been opened up.

I recommend this drift in progress be continued and further development work on the Prince Albert No. 5 and No. 7 work to be started on the Prince Albert No. 7 by sinking on the 40-ft shaft in which 6 feet of \$26.00 milling ore is exposed, principally gold.

(Signed) Horace Coupal, M.E.

(Dated) Boston, Mass,
October 6th, 1927.

Copied from copy;
A.L.F. 1/28/33

Offices of Kirby Thomas
Consulting Mining Engineer
25 Broadway New York City

I have had occasion to examine a number of the mines in the Hassayampa District, Arizona, in recent years, among them being the properties of the Prince Albert Mines Inc.

They consist of nine claims (about 160 acres) now patented. They are on Groom Creek, about seven miles north of Prescott, and are located on the State Motor Highway. The altitude at the mines is about 6000 feet, affording good climatic conditions. There is an abundance of timber for mining and fuel on the claims, and sufficient water for milling. Electric power for operation is also easily available.

There are several strong veins on the properties typical of the veins in that part of the Hassayampa District, which have been extensively and successfully operated in the nearby or adjoining properties. The veins are in a granite formation, and are wide and persistent, and well mineralized. The principal vein running east and west is more than ten feet wide and carries gold, silver and some lead. These veins are identical with those which in more developed properties in the section have developed very satisfactorily. The general geological conditions are favorable for the persistency in depth of the ores found on the surface.

The mine records show that the ore in the east and west vein at 60 ft in depth was ten feet wide, and assayed \$19 in gold, 12 ounces silver to the ton.

The development consists of a double compartment shaft, down 115-ft. This working shaft is intended to be sunk to the 600-ft level, with crosscuts every hundred or two hundred feet. This shaft is well timbered, has necessary cars, ladders, pumps and all piping required to go to the 500-ft level. A drift has been run from the 100-ft level, about 90-ft, towards the east and west big vein. It must go about sixty feet further to cut the ore body.

The Prince Albert Mines are well equipped with a steam plant, consisting of a 60 HP boiler, a 25 HP hoist, a 220 cubic foot direct acting Sullivan air compressor, power drills, tools, boarding house, blacksmith shop, hoist house, change house etc furnishing facilities for activity under effective conditions.

The results of development on the Senator, Cash, Big Pine, Midnight Test, Sheldon and other similar properties in this section are an assurance of success for the Prince Albert Mines when adequately developed.

These properties are certainly valuable, and they will undoubtedly become important producers of gold and silver.

I confidently expect that the Prince Albert will develop as successfully as the Sheldon mine, about two miles distant, which is now a very successful operator. The geological conditions are as favorable, and the veins as strong, and as well mineralized on the surface, and present similar characteristics.

The high grade ore can be advantageously shipped to the newly organized smelter at Humbolt, near Prescott, but it will probably be advisable to provide for suitable mill soon to treat the low grade ore. The ores present no treatment problems, and a good recovery of values can be secured at a low cost of operation.

I strongly advise the continued operations on these properties, and their proper development, which can be accomplished with very moderate cost.

October 15th, 1922.

Respectfully submitted,
(Signed) Kirby Thomas, Consulting E.M.

Copy by ALF 1/30/33

PRINCE ALBERT GROUP.

The Prince Albert Mines Inc., is duly incorporated, under the laws of the State of New Jersey, with a capitalization of two hundred fifty thousand shares, par value, \$1.00 a share, -full paid and non-assessable.

The company owns the Prince Albert Group of Gold Silver and Copper mines consisting of nine contiguous mining claims - aggregating an area of about 160 acres, situate about seven miles from Prescott, in the Hassayampa mining district, Yavapai county, State of Arizona. These claims were located several years ago, on account of gold and silver ores, and have been worked since that time to show their high grade metal values.

The Prince Albert Group contains a well defined vein of gold, silver and copper, averaging in width from 10 to 20 feet, which traverses the ground through the entire length of the claims. The mineral possibilities of this vein from a geological standpoint, are remarkable. It is known as an East-West strike, cutting through the formation of the District. The several other veins, embraced on the properties, run with the formation, northerly and southerly, and form a junction at the intersection of the East-West vein. It is known that where this condition exists large bodies of high grade ore are found. For instance, at a point where the Prince Albert No. 1 intersects the east and west vein on the Prince Albert No. 1, eleven feet of 6% copper, \$19.00 in gold, 12 ounces in silver per ton have been cut, and the foot-wall is not yet in sight.

The property is equipped with a steam plant, consisting of a 60 HP boiler, 25 HP hoist, 220 Cubic inch direct acting Sullivan air compressor; power drills; tools; boarding house; blacksmith shop; hoist house, change room etc.

The development work consists of a shaft, double compartment 4x4 feet. This shaft is timbered; has necessary cars; ladders; pumps; and all piping required for a depth of 500 feet.

The claims are connected with a good wagon road from the main State Highway, and the property is covered with a dense growth of pine, juniper and oak timber, estimated by experienced forest men to be valued at not less than \$50,000 which can be used for fuel and mining purposes. Water ample for all purposes. The Arizona Power Company line crosses this property, making electric power cheap and convenient.

The mine is situated in the heart of the richest mineralized bearing zone in Arizona, and is adjacent to, or in close proximity to, such well known mines as the Midnight Test, Alma, Senator, Monte Cristo, Moscow and Home Run, all of which are and have been producers of copper, gold and silver.

The present development work of the Prince Albert Group consists of shafts, cuts and tunnels. The principal development done is on claim No. 4 where the steam plant is located, consists of a 115-ft shaft, and a 90-ft drift which has been run from the 100-ft level towards the east-west vein, together with a drift south at this point for a distance of 60-ft. The object being to continue north until the east-west vein is cut, thereby giving a depth of 160-ft from the surface or approximately 100-ft below the point where the 11 feet of 6% copper, \$19.00 in gold and \$12.00 in silver has been opened up.

As the engineer in charge of the work I recommend that the drift in progress be continued, and further development work be done on Prince Albert No. 5 and No. 7. Work to be started on the Prince Albert No. 7 by sinking on the 40-ft shaft in which 6 feet of \$26.00 milling ore is exposed, principally gold.

(Signed) Mark Bradley, M.E.

Not dated.

Copy 7/31/32 A.L.F.

PRINCE ALBERT GROUP.

The Prince Albert Mines, owned by the Prince Albert Mines Inc., consists of nine mining claims, about 160 acres, located in the Hassayampa Mining District, about seven miles from Prescott, Arizona. The property is located about a mile from the State Highway and it is practicable to haul the ores by motor truck to the Humbolt smelter, about 20 miles distant. The electric power line crosses the property and the general conditions for operation are favorable and economical.

The property is well equipped with a steam plant, a 80 HP boiler, a hoist a Sullivan compressor, power drills, tools and necessary buildings.

The development of these mines consists of shafts, open cuts and tunnels. The main shaft is down 115 feet. Drifting has been done from the bottom of the shaft to cut the east and west vein below the ore shoots which have been opened up by surface tunnels. This work has placed the mine in a position where production can now be undertaken and carried on simultaneously with the development work.

The assays indicate that this ore would be profitable to ship at the present price of \$19.00 for gold, \$12.00 for silver and 12¢ for copper, particularly in view of the favorable conditions as to transportation to the smelter. The extraction of this shipping ore would necessarily develop considerable milling ore and the general indications are that subsequently it will be necessary to provide a concentrating mill, of an inexpensive type, which would permit of the mining and treating the much larger tonnage of ore which assays indicate is available in the several veins.

The property has several of these important veins and geologically presents very favorable conditions for the development of an important property as there is in the district. The veins are from 7 to 11 feet wide, in fact at some points, probably where veins form a junction, or crossing, the work indicates that they are much wider than this. They are well mineralized at the surface, and in the workings, and the general average of the numerous assays indicates that the property can be operated profitably as a shipping proposition. In addition to the gold-copper-silver veins, there is one vein on the property which carries high-grade silver-lead ore, entirely unexploited.

Other developed and valuable mines adjoining, and in the immediate vicinity of the Prince Albert Group, are the Cash Mine, recently sold; the Senator mine, belonging to the Phelps Dodge interests; the Eva mine, recently financed in Philadelphia; the Alma; the Carloe; the Midnight Test; the Moscow and the Monte Cristo, all of which have a record of production.

I consider ~~that~~ the Prince Albert Group of mines, attractive and believe they justify continued development.

(Signed) Kirby Thomas, M.E.

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Arizona Mining Journal, December 15, 1922, p. 21