

STATEMENT CONCERNING

The

UNPATENTED IODE CLAIMS:

ARNOLD NO. 1, 2 & 3

and

ARNOLD EXTENSION NO. 1, 2 & 3

By

W. I. Holmes

1935

Gunnison County

LIBRARY
COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

Report furnished by W. I. Holmes

STATEMENT CONCERNING

The

UNPATENTED LODE CLAIMS:

ARNOLD NO. 1, 2 & 3
and
ARNOLD EXTENSION NO. 1, 2 & 3

By

W. I. Holmes

1935

LOCATION:

The property is located in Box Canyon Mining District, Gunnison County, Colorado. Situated in Sec. 35, T. 49 N., Range 4 E., and is 9 miles southeast of Ohio City, Colorado., and 3 miles to Crookston, the nearest railroad.

MINING PROPERTY:

The claims consist of unpatented Lode Claims; Arnold No. 1, 2 & 3, and Arnold Extension No. 1, 2 & 3. All assessment work has been done, with proper labor affidavits filed in Gunnison, the County seat of Gunnison County.

This section is surrounded by such old mining camps as Ohio City, Pitkin, Bowerman, White Pine, Waunette Hot Springs, and Crookston, and such districts as Cross, Mountain, Tin Cup, Gold Brick, Quartz Creek, Box Canyon, Tomichi, etc.

HISTORY:

A portion of this property was held by a location as far back as 1903. The property was re-located by Mr. C. W. Lockhart 23 years ago, but he was not financially able to do the proper development work to reach shipping ore. The work was discontinued and the property was turned back into the Public Domain. The property was again re-located in 1933 by a Mr. Lockhart and three associates who own it now. All assessments have been kept up and considerable development has been done. The property is unusually highly mineralized, the geology is most favorable for ore occurrences, and the veins already opened in the tunnels and on the surface are of commercial grade. The property was worked from August to December, 1934 by three of the owners. All of the owners are mining men and have followed mining as their occupation for years.

OPERATION:

The mine is closed at this time. Operations have been suspended from about Dec. 20, 1934. The last operation consisted of driving a tunnel on a vein of ore averaging four to five feet wide, with values in gold of \$8.00 from wall to wall. The plan was to extend this tunnel about 40 ft. to contact an intersection of veins that should give a good body of ore, also to gain depth on the present vein and work both veins from this tunnel.

EXISTING DEVELOPMENT:

There are three tunnels on the property, two of which were driven years ago and in the opinion of Mr. Lockhart are misdirected. The 130 foot tunnel did not encounter pay ore or show proper or well directed work. The short tunnel (about 40 ft.) is on a vein but so far as extended failed to open up ore of any value. The 115 ft. tunnel is on a good vein and was driven by the present owners. This shows a true fissure vein 4 to 5 ft. in width with values from wall to wall of \$8.00 in gold with some silver.

Sufficient vertical depth has not yet been obtained but values should increase with depth.

There are numerous open cuts and prospect holes showing the vein exposures.

The values occur as Telluride ores in fluorine quartz well defined. The country rock is granite, granite gneiss and schist.

The working will be thru a tunnel, with drifts and stopes developing the veins. By continuing the tunnel on the vein, stoping ground of 500 to 1000 ft. may be gained. Workings are in good condition and are well drained.

PROPOSED DEVELOPMENT:

It is proposed to extend the tunnel approximately 40 ft. to cut an intersection with another vein leading from a large stackwork. The present vein averages \$8.00 for 5 ft. but greater values are to be expected at a greater depth. There are also other veins intersecting each other and making large bodies of milling ore on the surface. A large production may be secured under a properly financed operation. An estimated production would be 50 tons daily but depending on equipment.

There is no water to contend with as the water table being below the tunnel level. There is ample water for general purposes and the use of wet drills. In addition to large bodies of commercial ore, there is ample evidence of the existence of high grade ore which can be developed.

MARKETING OF PRODUCT:

The main pay streak will be shipping ore, which will be shipped to Leadville, Colorado, to American Smelting & Refining Co. Proper arrangements can be made for concentrating the milling ore when needed.

The ore can be hauled to the Railroad for \$1.50 per ton and shipped to Leadville for from \$2.50 to \$5.00 per ton depending upon the grade of ore.

WATER:

There are no water problems connected with the operation. Sufficient water for general purposes is available the year around.

POWER:

Power will be furnished from a gasoline engine as proposed.

COST: (Estimated High)

MINING	\$1.75 to \$2.00 per ton
Custom Milling	2.00 per ton
Haul to Mill	1.50 per ton
Freight to Smelter	3.00 " " (average)
Smelting	3.75 " " "

Cost of shipping ore \$10.00 per ton from beginning until sold to Smelter. Cost of milling ore to Smelter (concentrate ratio 10 to 1) \$7.42 per ton.

LIBRARY
COLORADO SCHOOL OF MINES
GOLDEN, COLORADO