

The State of Wyoming.
Office of State Geologist,
Cheyenne.

M R 904-46

GEOLOGICAL SURVEY OF WYOMING

Cheyenne, Wyo. June 1, 1904.

The Orisko Copper Mining Co.,
Douglas, Wyo.

Gentlemen:-

Complying with your request, I have now herewith placed on
the showing at your property near Douglas, and hope that you will be able to
continue the work on what I consider a very good property.

Very truly yours,

Henry C. Beeler,
State Geologist.

The State of Wyoming.
Office of State Geologist,
Cheyenne.

A BRIEF REPORT
ON
THE ORIOLE GROUP
CONVERSE COUNTY, WYOMING.

-----00000-----

ORGANIZATION.

The Oriole Copper Mining Company is organized under the laws of the State of Wyoming, capitalized at \$500,000.00 in 500,000 shares, par value \$1.00 each, and has headquarters at Douglas, Converse County, Wyoming.

LOCATION AND EXTENT.

These claims are situated on Section 10, T. 29 N., R. 78 W., near the head of the LaPrele Creek in Converse County, Wyo. about 30 miles northwest of Laramie Park and 25 miles southeast of the town of Douglas, on the Casper branch of the Erie and Northwestern Railroad, the nearest supply point, Inas Station on the same road being about 25 miles north of the property, with good roads to both points.

The group consists of four claims, namely:

The Oriole.

La Prele.

Glenrock.

Gladiator.

These claims are 600' x 1500', comprising about 60 acres, held by location and discovery under the laws of the United States and the State of Wyoming.

The State of Wyoming.
Office of State Geologist,
Cheyenne.

2-

PRESENT WORKINGS AND PLANT.

The present workings are as follows:

- 1 prospect shaft 75 feet. (abandoned)
- 1 3 compartment shaft 250 feet. (on Circle claim)
- 4 drifts from shaft, 150 feet.
- Discovery holes etc.

The working plant is as follows:

- 1- 40 H.P. Boiler.
- 1- 30 H.P. Davis Hoist.
- 1- 3 drills. Leyner Air Compressor.
- 2- Ingersoll-Sergeant H. Drills.
- 1- No. 6 Caterer Pump.
- Pumps, Pools, etc. etc. etc. etc. etc. etc. etc.

The present buildings consist of about houses, Barns, etc. etc.,
Bunkhouse, Powder house, stables etc. and are sufficient for all demands
of present force and plant.

GENERAL GEOLOGY.

The Laramie Pool region consists essentially of a huge core of
granite usually of a reddish felsitic variety on which the succeeding
sedimentary strata lie more or less conformably and stretch out to
the level plains or table lands on either side of the hills.

Lying in this granite mass, are noted immense bands of schists,
gneisses and allied rocks of varying composition and extent but usually
micro-hercynitic schists and the bands run usually from 200' to 300' wide.

Associated with these bands, and also in the granite, are dykes
of dioritic and basaltic igneous rocks as well as lenses of barren quartz

The State of Wyoming.
Office of State Geologist,
Cheyenne.

7-

such as are found in all granitic schistose formations.

Some of these lodes and dykes bear evidence of considerable alteration and replacement, in some cases being highly mineralized and showing deposits of copper and other minerals. On one of these mineralized lodes the Oriole lode has been located.

THE ORIOLE GROUP.

In this vicinity the ordinary rock or outlying formation is granite, and the intrusive formation is a large dyke or band of an altered diorite and tonalite carrying considerable quantities of small veins and as a part of both the rocks.

The width of the band is about 200 feet, the trend or direction is northeast and northwest, with a slight dip toward the southeast.

In this band is found a lode of highly mineralized material, mostly quartz and showing the usual hard material of silicious oxides and as a sulphides of copper and iron.

The first shaft was sunk on the lode at a point about 300 feet south of the present main shaft, a depth of 75 feet being reached and quantities of copper-iron sulphides taken out as well as the usual oxidized iron materials and lode matter stained with the copper carbonates.

The present main shaft was sunk on the same promising showing and followed the vein for some distance when the vein shifted away from the shaft and the latter carried down by the other lode matter.

Drifts have been run through the lode matter from the shaft at varying intervals as follows:

THE STATE OF MONTANA,
Office of State Geologist,
Cheyenne.

4-

1	"	"	175'	40'
1	"	"	200'	20'
1	"	"	240'	25'
1	"	"	250'	65'

There have shown a variety of conditions, depending on the dip of the ore bodies. The principal showing being in the 175 depth where there were about seven feet of ore. It is shown in the chart and on the accompanying map. The ledge is at the base of the drift.

In the lower drift a streak of oxidized ledge material had been cut at the time of this inspection, showing the level of porphyry sulfide ores has not been reached and deeper work is necessary before the real value of the property can be determined. The ore has not been reached in this drift at the time of this examination.

The ore shows a decided dip to the southeast and have a decided pitch towards the south. The course of the ledge and in development the material that will be constantly exposed is thin.

GENERAL NOTES.

General conditions for economic work are favorable at this property on the location of the works, with convenient handling of all supplies, fuel, etc.

There may be had an 82.50 per cent delivered water, and the presence of LaProle Creek affords a constant water supply for all purposes and offers a possibility for a great power plant when such becomes necessary.

The State of Wyoming.
Office of State Geologist,
Cheyenne.

5-

Lumber may be had at \$12.50 per M. and all mine timber etc at reasonable rates.

Mining supplies are sold in Douglas at the usual prices and complete stocks kept in all lines.

The roads through the district are good at any time during the year and a telephone system connects the mines of the district with the long distance lines of the west, as well as local lines.

-----00000-----

It is considered that the showings made by the present work fully warrant its active continuance, though the full extent of the ore at this depth has not yet been fully developed, and it is recommended that further work both in sinking and drifting be done on the ore, also that such crosscuts be run at favorable intervals as will fully show the ore these formations certainly contain.

The mineral showings in the Laramie Peak district are remarkable in many ways and it does not seem possible that the strong surface crop-pings are anything but the indicators of profitable ore bodies below.

The depth at which these bodies lie is as yet problematical in this region but it is noted the showings usually improve as depth is gained and there is no present reason for anticipating anything but a favorable outcome for this work, and it should be pushed ahead with all possible speed.

Respectfully Submitted,

Henry C. Beeler,
State Geologist.

Date of Examination, May 23, 1904.