UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION
REGION II

DMA 681, Cobalt Gold Mines, Inc.

Grant County, Oregon

John S. Vhay
U. S. Geological Survey

June 1, 1951

Examination Team Preliminary Report
Defense Minerals Administration

Docket #DMA-681 Property: Cobalt Gold Mines, Inc.

RECOMMENDATIONS

Because no cobalt was found in any of seven samples from this property, it is recommended that no consideration be given to this exploration contract. In the main (lowest) workings, the so-called "Cobalt Vein" is exposed for 120 feet, where the average width is only 0.3 foot. The operators seem to be more interested in five other veins on the property, most of which are relatively narrow and seem to carry mostly gold and perhaps some silver. The assay results shown on the maps accompanying the application were for only gold and silver.

APPLICANT

The Cobalt Gold Mines, Inc.
H. F. Stevens, Pres.
T. H. Evans, Vice Pres.
I. D. Lane, Sec. Treas.
H. F. Stevens, Manager (probably)

LOCATION OF DEPOSIT

The property is in parts of Secs. 1, 2, and 11, T. 12 S., R. 33 E., in the Quartzburg Mining district, Grant County, Oregon. The following claims are included in the property: Yankee Boy, Benanza, Dunn Claim, Duchess of Prairie Hill Site, Yankee Blade, Mary Jane, Lucky Jack, Little Denver, and New Find, and 4 Point(?).

OWNERSHIP

According to the president, H. F. Stevens, the property is owned outright by Cobalt Gold Mines, Inc. Courthouse records were not checked.

HISTORY AND PAST PRODUCTION

The old workings were opened up probably in the early days of the camp. The Yankee Boy group is described briefly in U.S.G.S. Bull. 866-A, pp. 86, 90, where it is stated "No production has been reported." However, the higher workings, all in oxidized material have been stoped in places, and very probably some gold and silver have been produced. The total amount is probably small as no large stopes were seen, and all that were seen are narrow and near the surface. The present company has done considerable bulldozing but very little underground work.

PROPOSAL

The proposal of work to be done (according to a letter from H. F. Stevens is as follows:

(1) 3,000 feet of bulldozing across the "Cobalt Vein" and the other parallel veins to the east. Estimated cost $9,000.

(2) 3,200 feet of surface core drilling. Cost estimated, $20,000.

(3) Mining and drilling equipment needed. Cost estimated $8,550.

(4) Underground development, 1,700 feet. Cost estimated $25,500.

This totals $63,000. Presumably the rest of the $113,000 requested is for erecting a mill.

TECHNICAL FEASIBILITY

It is believed that there is little chance of developing a cobalt producer on this property. The so-called "Cobalt Vein" is very narrow and shows no cobalt. Assay results of all samples are shown below:

Location	Gold Oz.	Silver Oz.	Cobalt %	Copper %	Zinc %
Sleeve-4, 2.6' across "Cobalt Vein" in small adit 1350' south of main adit	0.36	0.14	N.F.*	0.14	0.56
-5-0.4' best looking vein matter, same adit	0.03	N.F.	N.F.	0.05	0.71
-6-best picked sample, dump of same adit	2.16	0.80	N.F.	0.43	2.54
-7-3" across Cobalt Vein" at south face, main workings	0.20	0.10	N.F.	0.14	0.25
-8-15 "across next vein east of "Cobalt Vein," main workings	.025	trace	N.F.	--	--
-9-20 "across vein, north end of small workings above main workings	0.025	N.F.	N.F.	--	--
-10- Chip sample of float of quartz-tourmaline rock at millsite	N.F.	trace	N.F.	0.02	--

* N.F. None found.