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item 2

N o t e s

on the Camp of

R E P U B L I C

Cloverdale Mining District - Nye County

N e v a d a

Examination: Dec 19-20-13
Report: Dec. 23-1913
By W. H. Sirdevan,

N o t e s

o n

R E P U B L I C

The camp of Republic is located about fifty miles northwest from Tonopah, and about 6.5 miles southwest from the Cloverdale ranch, in the Cloverdale mining district.

In 1906-1907 several shallow shafts were sunk, and a few ore shipments were sent to Millers and to Hazen. Report of a high-grade strike in the spring of 1913 caused a short-lived boom during which about six hundred people are said to have visited the camp. Some shallow prospecting was done at this time, but the excitement was soon over and all work ceased. At the present writing there are less than a dozen people in the entire district.

The country rock is limestone with a general dip to the south. This limestone varies considerably in appearance and is difficult to identify in the field. The crystalline variety predominates - the main mass being white and brittle, and that near the veins somewhat harder and stained green. There is also a belt of dense, black, cherty limestone. Near the vein walls this variety has a greenish tinge. The Orizaba vein - about a mile east from the camp - is located on a lime-granite contact.

The principal properties at Republic and in the vicinity are as follows:

- The Hyland Group
- The Rosalie Group
- The Combination Group
- The Barth Group
- The Bull Hill Group
- The Sirac Mine
- The Orizaba Mine

The Hyland Group

This has the strongest showing at Republic, and is the property that caused the rush to the camp last spring.

There are seven claims in the group - three of which are located along the strike of the main vein.

The main vein strikes about east and west and dips about 50° to the south. It has been opened by cuts, tunnels, and drifts for about 4000 feet, and a depth of fifty feet has been reached in one shaft.

The vein appears to conform to the general bedding of the limestone, and shows stringers of black quartz with broken up quartz and oxidized wall rock as a filling. The oxides of iron and manganese are common, and galena is present in the ore at the eastern end of the vein.

Six samples were taken at intervals along the main vein. The ore was said to average better than \$15 per ton - but the assay results obtained - as given below - indicate clearly why the boom of last spring was ended so quickly.

Sampling Results on the Main Vein.

NO.	WIDTH	ASSAY		TOTAL
		Gold	Silver	
104	4.3'	tr	\$1.02	\$1.02
105	5.0'	tr	\$1.86	\$1.86
106	4.0'	tr	\$.50	\$.50
107	3.0'	tr	\$.55	\$.55
108	Grab	tr	\$5.90	\$5.90
109	3 .5'	tr	\$3.96	\$3.96

Near the western end of the main vein and on this group - there is a branch vein from 2' to 4' in width striking N 45° W and dipping at an angle of about 40° to the south. The ore is honey-combed quartz heavily stained with the oxides of iron and manganese. The chief development work is an incline shaft 35' in depth and a 25' drift on the vein at depth of 25 feet. Three representative samples were taken on this vein. The results

This ore was said to average \$38 per ton. The assay results are shown below:

NO.	WIDTH	ASSAY		TOTAL
		Gold	Silver	
101	3.5'	tr	\$.58	\$.58
102	3.8'	\$.80	\$6.50	\$7.30
103	2.0'	tr	\$.54	\$.54

The Rosalie Group

This property is located about fifteen hundred feet west from the Hyland and consists of about seven claims. The main vein strikes N.W. and dips to the south. No samples were taken here.

A parrallel vein about 4' in width is developed to depth of fifty feet. This ore was stated to average about \$40 per ton. My sample - No.110 - gave a return of \$1.26 per ton.

The Orizaba Mine

This property is located about a mile east from Republic and is developed to a depth of about 100 feet. Considerable drifting and stoping have been done on the upper level, and some high-grade shipments are said to have been made. All of the work to date has been above the water level, but the present leasers are preparing to sink and develop the sulphide ore. My grab sample of this sulphide ore gave assay returns as follows: Gold:\$8;Silver \$41.16; Total:\$49.16.

The vein occurs along the contact of a light - colored limestone and granite. Near the contact this granite resembles diorite.

The Orizaba Mine is the property of the Tonopah Banking Corporation. It is being worked at present under a lease and bond given for two years.

The Combination and Bull Hill.

These properties were visited but no samples were taken as the showings were very poor.

The Barth and Sirac.

These properties were not examined.

Conclusions

The surface showings are much better than the sampling returns indicate.

The value of the ore was grossly exaggerated by Mr. Kruger - who accompanied me on the examination. He is the owner of the Combination and Bull Hill Groups, and is at present leasing on the Hyland Group.

Work below the water level in the Orizaba may develop some good ore. The vein varies from two to five feet above the water level. If this width is maintained in depth and the sulphides continue to have the value determined above - this property will be worth further investigation. A winze is to be sunk at the point where the above sulphide sample was taken.

The remaining properties at Republic and nearby are not good prospects.

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Item 2

THE TONOPAH MINING COMPANY OF NEVADA

EASTERN OFFICE
572 BULLITT BUILDING, PHILADELPHIA, PA.

PLEASE ADDRESS ALL COMMUNICATIONS
TO THE COMPANY, TONOPAH, NEVADA

TONOPAH, NEVADA,

TONOPAH MINING CO. OF NEVADA	
MINING AND EXPLORATION DEPARTMENTS	
REC'D DEC 29 1913	
SEEN	
ANS'D	

December 24, 1913.

Mr. J. E. SPURR, Vice-Pres.,

The Tonopah Mining Company of Nevada,
Philadelphia, Pa.

Dear Sir:

I am mailing you today under separate cover a copy of my report on the camp of REPUBLIC which is located about fifty miles northwest from Tonopah and in Nye County. This district had a short boom last spring but there is very little activity there at present.

On Dec. 18th. I made a trip to the old camp of BELLEHELLEN - located about fifty miles northeast from Tonopah. I found only two men in camp and no ore worth sampling.

There is from four to six inches of snow at Tonopah and much more than this on the hills.

Very truly yours,

J. Q. Lindeman