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Item 24

RECONSTRUCTION FINANCE CORPORATION
MINING SECTION
REPORT OF EXAMINING ENGINEER

Docket No. C-ND-7848

Date Application Received

Date of Field Examination

Date of Report

October 19, 1942

February 23 & 24, 1943

March 3, 1943

PROGRESS & SAMPLING REPORT

PROJECT - Old Central Mining Company
Central Mining District
Pershing County, Nevada

(1) PROGRESS INFORMATION

The applicant received a Preliminary Mining Loan on or about October 31, 1942 for the purpose of unwatering a shaft and underground workings on a lead-zinc vein. (Vein known as the South Vein on the Old Timer Claim).

Under the supervision of Mr. Rueben Jones, Manager for the company, work was started November 6, 1942, employing four men, and with the use of rented equipment, the mine was dewatered to the bottom of the main shaft and the 2nd level drift cleaned and made accessible for sampling. On February 17, 1943, the underground workings and bottom of shaft were reported as being ready for sampling and examination. The property was therefore examined and sampled February 23 & 24, 1943, and the following report is herewith submitted.

(2) GENERAL FEATURES OF EXAMINATION

The applicant is the lessee or owner of some 16 contiguous lode mining claims but this project is concerned only with the South Vein located on the Old Timer Claim. This vein in the early days, probably as long ago as 1880, was mined above the ground-water level for a length of approximately 300 feet. Besides this upper work the main shaft was sunk on the vein some 80 feet below the water level and also a drift known as the 2nd Level was driven about 40 feet below the water table. (See map attached)

It was for the investigation of that portion of the mine under water that this examination and sampling was made. The portion of the mine workings unwatered is outlined on attached map as Block "A" and it was thoroughly sampled. (See assay map)

(3) SAMPLING

Sampling was confined to the vein on 2nd Level and the lower portion of main shaft. The upper portion of the vein, which was undoubtedly enriched by silver chlorides and probably some lead carbonates, has long since been stoped out. The old stopes are now filled with "gob" and caved. The attached cross-sections clearly show the relationship of the old workings and the portion of the mine below the water level.

The vein exposed and sampled on the 2nd Level is a narrow white quartz vein, averaging about 18 inches wide, and containing sporadic spots of galena and sphalerite. The widely separated spots are 1/2-inch to 1 1/2 inches across. However, they are infrequent, and several of the samples cut hardly showed a grain of sulphides. The vein below the ground-water level is therefore a "lean" siliceous narrow vein. (It is anything but a base ore--heavy in lead or zinc.)

The tabulation of assay results on some 16 samples listed below is sufficient evidence of the barren nature of the vein exposed in the lower workings.

TABULATION

ASSAYS					
No.	Width	Gold ass.	Silver ass.	Lead %	Zinc %
1	P.W. Shale	none	.8	1.0	none
2	12 inch quartz	trace	none	trace	none
3	12 inch quartz	.02	4.0	none	none
4	2 1/2 feet quartz	none	2.0	none	1.2
5	12 inch quartz	trace	6.0	none	none
6	2 feet quartz	none	2.0	.2	trace
7	12 inch quartz	.04	4.0	.1	.6
8	12 inch quartz	.04	2.8	none	2.5
9	6 inch quartz	.04	6.0	none	2.5
10	12 inch quartz	none	4.6	trace	none
11	1 1/2 feet quartz	.03	4.0	none	none
12	2 feet quartz	.02	7.2	.4	trace
13	2 feet quartz	.02	8.0	1.0	1.8
14	12 inch shale	.06	2.0	none	none
15	2 feet quartz	none	2.0	none	none
16	Aver. 18 in. qtz.	.06	2.1	trace	none

No. 15 and No. 16 from Shaft. Others from 2nd Level Drift.

(4) COMMENT OF ENGINEER

One could go into a lengthy discussion as to the questionable premises which lead the applicant to believe that a base ore, heavy in lead and zinc sulphides, would be found below the ground-water level. It should be noted that these same workings were unwatered in 1939 to a point 10 or 15 feet below the 2nd Level and those persons associated with the property at that time unquestionably knew that the vein below the ground-water level was lean and barren.

(5) RECOMMENDATION

It is recommended that expense on this project be stopped immediately. The South Vein on the Old Timer Claim below the water table is virtually a barren quartz vein and there is no geological reasons or indications for improvement with deeper development.

Respectfully submitted,

Jasper T. Robertson

Jasper T. Robertson
Engineer

ADDENDA TO PROGRESS AND SAMPLING REPORT

OLD CENTRAL MINING COMPANY
Docket No. C-ND-7848

ON KEYSTONE GROUP OF SAME COMPANY

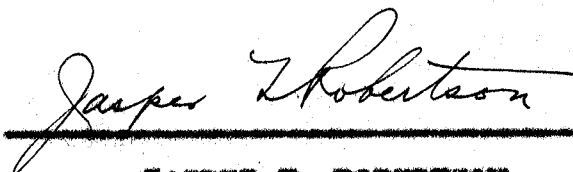
The writer also inspected the workings on the Keystone No. 1 Claim, situated about a half-mile southwest of the Old Timer main shaft. The former is more extensively developed. The ore occurs in an intensively altered diorite.

Only a few hours were spent on this part of the property. However, as a matter of record, a brief outline of my opinion relative to it is submitted.

The geological conditions for opening up commercial lead-silver ores in the altered diorite of the Keystone Mine are much more favorable than in the shale formation at the Old Timer. To date the veins explored in the Keystone Mine have been too limited in size to make a successful mine. The good ore occurrences are so often discontinuous in a single vein, and the area of ore fades out laterally as well as vertically, creating a rather patchy and undependable distribution of mineable ore. The rock formation looks ideal for ore to occur, having been intensively altered by mineralizing solutions. However, the fracturing and veining of the altered diorite, in the portions of the mine so far explored, is not great enough. The fractures, in which good ore occurs, are narrow, often little more than joint planes.

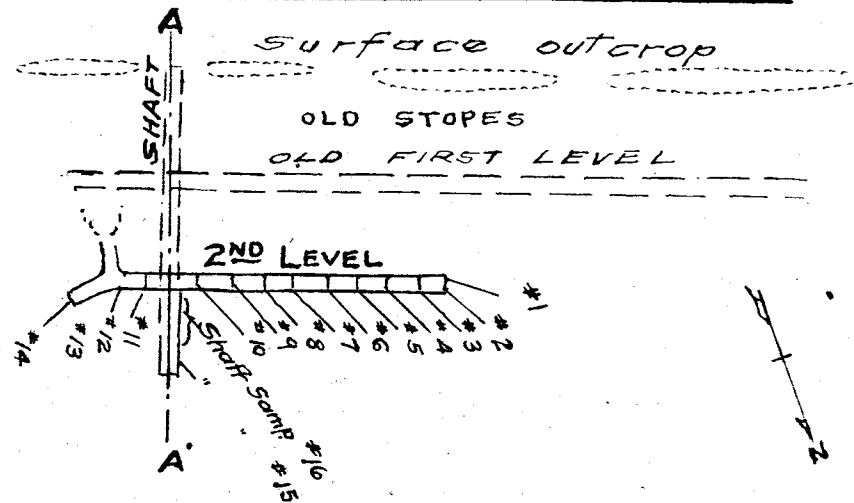
If this property is to develop into a paying mine, larger vein fracturing or ore channels will have to be found in yet unexplored portions of the altered diorite. There is at present no evidence of the existence of larger veins, and surface prospecting for them is excluded on account of a heavy top soil, or overburden. However, the altered diorite looks so favorable that the testing for larger veins in it, by means of lateral diamond drill holes, might be worthwhile. In this formation larger fractures, such as a brecciated zone, or a larger vein, should develop larger orebodies of a more mineable character. Ore occurs where there is fractures, but to date the veins and fractures have been too restricted.

The writer is of the opinion that the Keystone Claim has good possibilities of developing commercial lead-silver ore, providing a somewhat stronger vein structure can be found. It is not often that the possibilities of a mine are judged largely by the wall rock, but in this case the intense alteration and mineralization of the wall rock is a favorable sign. The ore occurrence is right, but the vein fracturing is a little too limited and disjointed to create substantial orebodies. The grade is there, but the quantity is patchy. The unexplored altered diorite area is a prospective mineralized area, offering a good mining gamble, particularly, if a breccia zone, or larger vein structure, should be encountered.

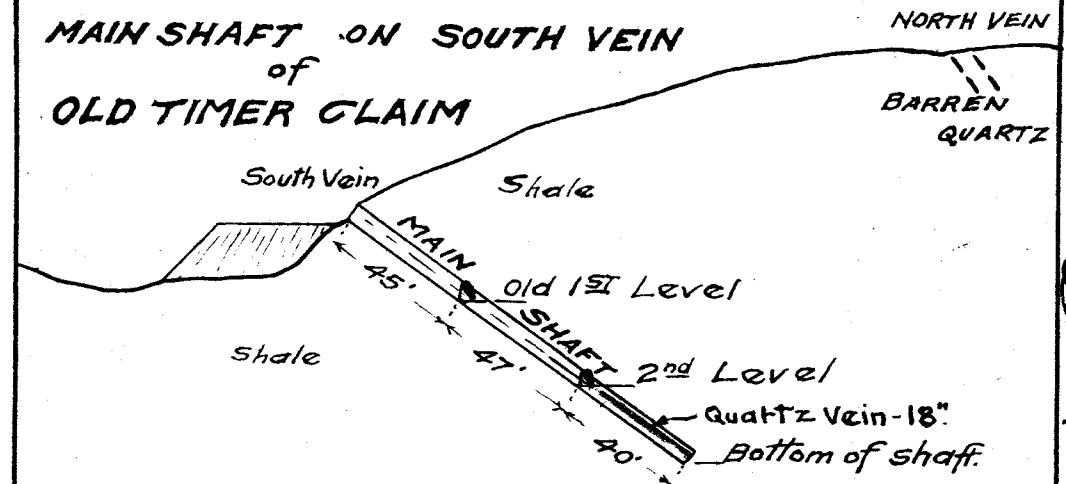
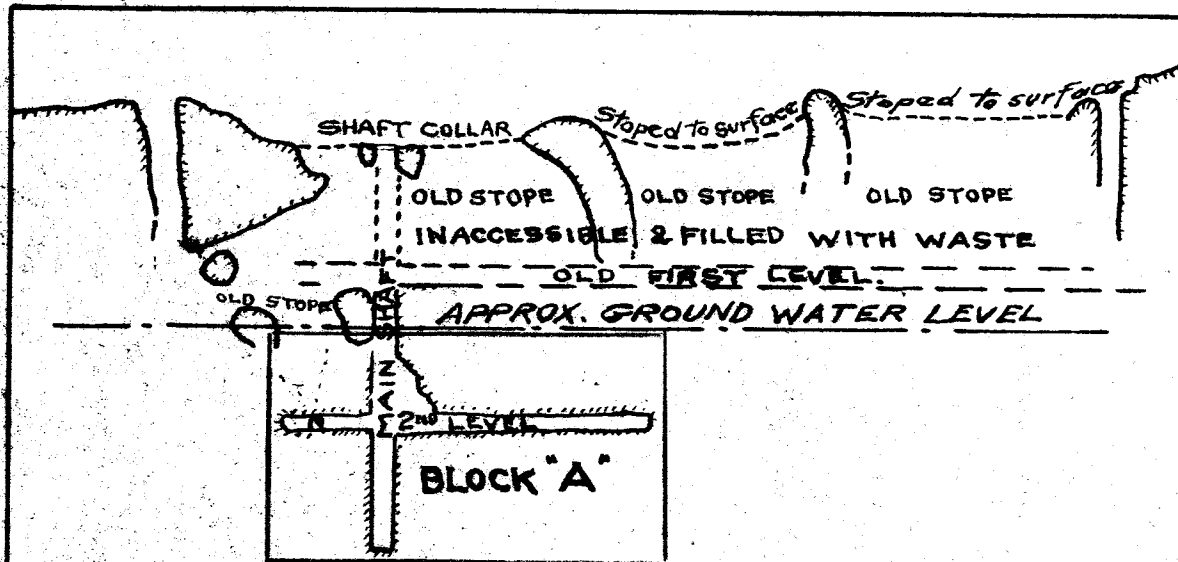


JASPER T. ROBERTSON
Engineer

March 3, 1943

PLAN & SAMPLE MAP OF 2ND LEVEL

SCALE 1" = 60'

MAIN SHAFT ON SOUTH VEIN of OLD TIMER CLAIMCROSS SECTION A-A' Through Main Shaft.
Looking West.LONGITUDINAL SECTION
IN PLANE OF VEIN - Looking South.

BLOCK 'A' IS PORTION OF MINE UNWATERED & SAMPLED.
16 SAMPLES - AVER. ASSAY - PB. 0.17% ZN 0.54% AG. 0.36% AU. 72¢
A WHITE QUARTZ VEIN - AVERAGE WIDTH - 18 INCHES.

ASSAYS					
No.	WIDTH	% PB.	% ZN.	oz. Ag.	\$ Au.
1	F.W. SHAFT 12"	1.0	NONE	.8	
2	QTZ. 12"	TRACE	NONE	NONE	
3	" 12"	NONE	NONE	4.0	70¢
4	" 2 1/2 ft.	NONE	1.2	2.0	
5	" 12"	NONE	NONE	6.0	
6	" 2 ft.	.2	TRACE	2.0	
7	" 12"	.1	.6	4.0	\$ 1.40
8	" 12"	NONE	2.5	2.8	1.40
9	" 6"	NONE	2.5	6.0	1.40
10	" 12"	TRACE	NONE	4.6	
11	" 1 1/2 ft.	NONE	NONE	4.0	1.05
12	" 2 ft.	.4	TRACE	7.2	.70
13	" 2 ft.	1.0	1.8	8.0	.70
14	" 12"	NONE	NONE	2.0	2.10
15	" 2 ft.	NONE	NONE	2.0	
16	18" VEIN 20 ft. in length	TRACE	NONE	2.1	2.10

WORKINGS - SOUTH VEIN - OLD TIMER CLAIM
OLD CENTRAL MINING CO.,
Central Mining Dist., Nev.
Unwatered JAN. & Feb. 1943 Sampled Feb. 24, 1943.