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item 9

TONOPAH MINING CO. OF NEVADA	
MINING AND EXPLORATION DEPARTMENTS	
REC'D OCT 13 1913	
SEEN	
ANS'D	

N o t e s

o n

THE ROCHESTER MINES COMPANY

Rochester - Humboldt County, "

N e v a d a

Examination: 9/5/13.
Report: 10/6/13.
By W.H. Sirdevan

See also map files

N o t e s

o n

THE ROCHESTER MINES COMPANY

Development Work to Sept. 5, 1913.

Lease No. 1.

The shaft is 90 feet below the tunnel level. There is an inter drift 106 feet to the south from a point about 50 feet down the shaft. The high-grade ore-shoot on this lease rakes to the south, and has a length of about 90 feet on the tunnel level.

Lease No. 2.

The winze - or shaft as it is now called - is 105' below the tunnel level. At about fifty feet in depth there is an inter-drift extending 30' north and 30' south from the shaft, and at the bottom of the shaft a similar drift about 25' in each direction.

Lease No. 3.

The lower Caustin tunnel is 360' in length measured from a plug at the portal, and about 60' east of the west side line of Crown Point No. 1.

The upper Caustin tunnel has been extended into the hill about 185' from its junction with the main vein.

Lease No. 4.

The crosscut from the horse-whim shaft has been extended until it cut the vein at the windlass shaft. This vein has been drifted for about fifty feet and some good ore found.

Sampling

Two samples were taken from the bottom of the shaft on Lease No. 1. (See accompanying plate).

Sample No. 10 taken from the north face - shows 22" of soft, iron-stained quartz - somewhat resembling that from the Colligan vein on the Weaver claims. The assay is also very similar - most of the value being gold. The total assay value was \$147.18.

Sample No. 11. Taken about ten feet from No. 10 at the south

face of the shaft - shows vein to be 27" in width and to be less oxidized. Assay: \$8.66 - all silver.

The vein appears to be much weaker at this depth, and the distribution of values not as regular.

Results of Sampling by Henderson, for the Tonopah-Belmont Company.

The work was done from July 3rd. to Aug. 8th. The main vein was sampled at close intervals with average results as follows:

Lease No.1. ----- average ---\$44.00 per ton.

" No.2. ----- " ---\$16.32 " "

" No.3 ----- " about\$ 3.00 " "

" No.4 ----- " " \$ 2.00 " "

On Lease No.2 an ore of shipping grade is obtained by sorting.

The total amount of ore shipped to July 31 was 5022 tons - having an average value of \$22 per ton - or - a gross value of \$110,484.

The Colligan Lease

At the Colligan lease on the Weaver claim three samples were taken - Nos.8,9, and 13. See accompanying plate for assay results.

The vein has been opened by a tunnel about 100' lower than the workings sampled by me in June. The ore is about the same grade, is highly oxidized, and the vein is a little stronger. The vein is less than two feet in width and is easily mined, so that all of the ore now exposed will be mined before the expiration of the present lease.

The Shea-Kelliher lease -adjoining on the north - is working on the Colligan vein and ^{is} ~~are~~ proving its extent toward the Nenzel vein.

Summary

With the exception of Lease No.2 - where the ore is improving in depth - the conditions and ore values on the main vein are about the same as they were at the time of my examination in June.

The Colligan vein is a little stronger in depth, and maintains the same grade of ore with a slightly higher proportion of gold.

Unless the grade of ore improves in Leases No.3 and No.4 - it is probable that work will soon be discontinued on these leases.

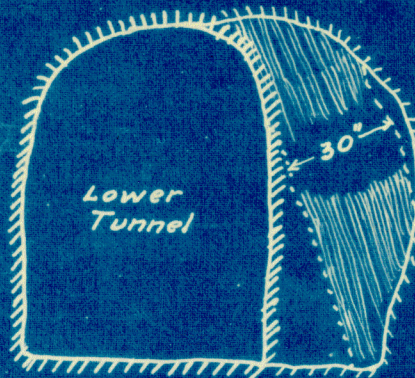
All of the ore now exposed in Leases No.1 and No.2 - about \$300,000 gross value based on Henderson's assays - can be mined easily by the lessors before their leases expire - about Jan.1915.



No. 8.

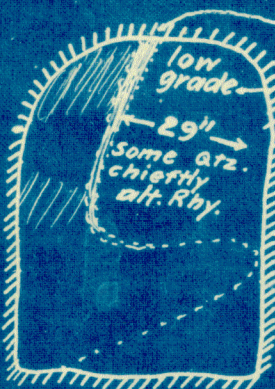
Colligan Lease
Face of lower tunnel
9/4/13. Soft-red-oxid.
ore with little quartz.

Assay: Gold: \$63.20
Silver: \$24.48
Total: \$87.68
Width: 20"



No. 9

Colligan Lease
Taken at point
where lower tunnel
cuts vein.
Sketch-looking
south.
Ore-oxid. qtz.
but vein stronger
than on upper tunnel.
Assay: Gold: \$15.20
Silver: \$4.28
Total: \$19.48
Width: 30"

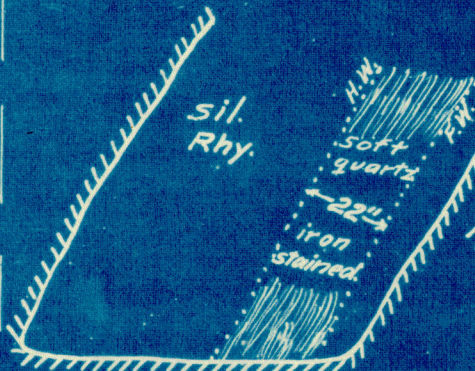


No. 13

Streak Red Oxides - \$275

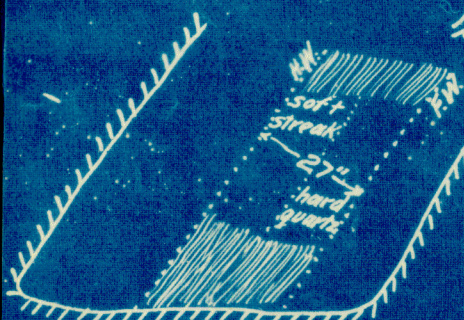
Claim \$10-\$12 ton.

Face of lower tunnel
Colligan Lease-9/6/13
Assay: Gold: trace
Silver: \$2.04
Total: \$2.04
Width: 29"



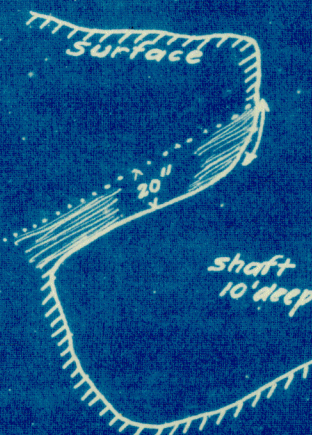
No. 10.

No. I Lease
Bottom of shaft
9/6/13. North
face.
Assay: Gold: \$145.20
Silver: \$1.98
Total: \$147.18
Width: 22"



No. 11.

No. I Lease
Bottom of shaft
9/6/13. South
face.
Assay:
Gold: trace
Silver: \$8.66
Total: \$8.66
Width: 27"



No. 12

Betts Lease
on Weaver
Claim.
Assay: Gold: \$11.20
Silver: \$36.18
Total: \$47.38
Width: 20"

Sampling Results

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ROCHESTER MINES COMPANY

AND

ROCHESTER WEAVER MINES COMPANY

9/4-6/1913 - W.H.S.