

(59)

Item 1

2090 0001

REPORT ON

REX MINING COMPANY
AND
COLORADO GRANDE GROUP
GOLD CIRCLE MINING DISTRICT
MIDAS, ELKO COUNTY, NEVADA.

Examined Oct. 18, 1920.
Reported Oct. 30, 1920.

By A. F. Carper.

REPORT ON

REX MINING COMPANY AND COLORADO GRANDE GROUP GOLD CIRCLE MINING DISTRICT MIDAS, ELKO CO., NEV.

These two groups will be described as one for the reason that they should belong to the same company.

LOCATION

This property is located in sections 16, 21 and 22, T. 39 N., R. 46 E., Gold Circle Mining District, Elko County, Nevada. Is one mile east of the town of Midas.

The camp of Gold Circle is thirty miles north of Red House station on the Western Pacific Railroad, the nearest railroad point; forty-five miles north-east of Golconda and fifty miles north-west of Battle Mountain.

CLAIMS

The Colorado Grande group is embraced by three full claims, the Colorado Grande No. 1, Colorado Grande No. 2 and the Colorado Grande No. 3.

The Rex Mining Company ground consists of the Rex claim and the Rex Annex (Fraction) both patented, and two claims in the valley east of the mine for water developed in springs.

OWNERSHIP AND TITLE

The Colorado Grande group is held by right of discovery and location.

The Rex and Rex Annex claims are owned by patent. The water claims are held by possessory right.

The Rex Mining Company is controlled by the Horton Estate of Battle Mountain, Nevada. Information regarding this property

must be gained thru Mr. W.S.K. Brown, Hobart Building, San Francisco, California, who is the administrator of the estate.

HISTORY

The Rex and Colorado Grande groups have been worked jointly. A shaft, now inaccessible, located on the Rex claim, has developed both groups by numerous drifts up to 300 feet in depth.

The Elko Prince had an option on these groups. During the time of their option they sunk a shaft started by lessees to the 300 foot point and drifted on the Colorado Grande vein and a cross vein. This development did not show enough ore of milling grade, so they gave up the option.

A lease to Mr. C. Liddell was worked thru the old shaft. They ran the Rex Mill and it is reported that they paid royalty on \$60,000. worth of ore and milled over \$100,000. worth of ore, as no royalty was paid on ore of lower grade than \$10.00.

NEARBY PROPERTIES

This property is located about 1500 feet south-east of the Elko Prince mine, the only property working in the camp at this time.

FACILITIES

Transportation. There is a good road between the mine and the railroad at Red House or Golconda, Nevada. As there is a long flat which is quite muddy in winter the major part of the heavy freight should be hauled in the summer months.

Power. There is no electric power in the country and no timber so fuel oil must be depended upon for power.

Water. Ample water for camp and milling purposes is developed in the valley east of the mine.

Timber. Timber is very scarce, making it necessary to ship all needed timber in by railroad and truck.

GEOLOGY

The rocks of the Gold Circle district are rhyolite flows which are cut by dykes of andesite and overlain here and there by andesite flows. The rhyolites which are the oldest rocks cover the major part of the district. There has been considerable fissuring and faulting since the eruption of rhyolite and andesite. In the Rex mine the rhyolite and andesite are in faulted contact.

The lode or vein is along this fault contact strikes about N. 15° W. and dips 64 to 66 degrees to the south-west. It is a zone of crushed silicified iron-stained rhyolite from 5 to 15 feet wide. The foot-wall is defined by a fault slickenside. A cross vein in the rhyolite has been developed for a short distance running N. 80° E. and is practically vertical.

DEVELOPMENT

The development consists of two shafts about 300 feet apart, both are 300 feet deep. The old shaft is inaccessible as are the drifts of 100, 200 and 300 feet in depth.

The new shaft is open to the 170 foot point where water stands in the shaft. There is a drift east of the shaft on the 100-foot level about 60 feet long and one west about 70 feet long. Some drifting has been done on the 200 and 300 levels.

West of the new shaft is quite a large glory hole 40 to 50 feet deep, 15 to 20 feet wide and about 50 feet long. Ore from this hole is supposed to have run about \$15.00 a ton.

The Colorado Grande vein is opened by shallow cuts and shafts for a distance of 4000 feet.

EQUIPMENT

The Rex is equipped as follows: 15 hp. gas hoist, head-frame, blacksmith shop, three small cabins, office, sampler with 15 hp. gas engine and jaw crusher. Mill as follows: 50 hp. Fairbanks-Morse gas engine, jaw crusher, one 5-stamp battery, one 4x10' tube mill, Aikins classifier, sand elevator, two Dorr

agitators, three Dorr thickeners, two Kelly filter presses and four zinc shaving boxes. Head bin for ore and solution tanks. Small vacuum pump for filters.

PRODUCTION

It is estimated that over \$100,000. has been produced from these properties. Actual figures were not obtainable.

SAMPLING

Only three samples were cut, one on the 70-foot level and two from the 100-foot level, to test the value of the vein.

PRICES AND TERMS

The Rex Mining Company is held in an estate by Mr. W.S.K. Brown, Hobart Building, San Francisco, California. (Trustee). Any prices and terms must be obtained from him.

CONCLUSIONS

These properties are in such shape that a thorough examination cannot be made. Sample maps seen in the Elko Prince office do not show any workable ore bodies. The property is not worthy of any further consideration.

Respectfully submitted,

A. F. Harper

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SAMPLES.

<u>Number</u>	<u>Width</u>	<u>Ozs.Gold</u>	<u>Ozs.Silver</u>	<u>Description</u>
6	2.7	.24	1.46	Cut H.W. section Rex vein 70-foot level new shaft east drift face.
7	2.5	.05	1.13	Cut face west drift 100-foot level new shaft.
8	4.6	.44	2.82	Cut face east drift cross vein 100-foot level new shaft.

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FORM 4135A-5-10

ASSAY CERTIFICATE

THE TONOPAH MINING COMPANY OF NEVADA

TONOPAH, NEV.,

10/27

1920

Edge - 996

SAMPLE No	SAMPLES TAKEN FROM	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF			
		OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COPPER	IRON	SILICA	LE
9						59 36	0.85		32	
10						52 32	1.50		32	
20						24 64	7.29			
21										
22					15.84 26					3
23					33.12 42	42.96	10.35		132	9
					42.96					6
1	Gold Circle Bombinger	0.2	40	30	30	70				
2	" " "	0.4	80	1.70	170	250				
3	" " "	1.2	—	3.20	320	320				
4	" " "	1.2	—	3.8	38	38				
5	" " "	1.6	320	5.88	588	908				
6	" " Per	2.4	480	1.46	146	526				
7	" " "	0.5	100	1.13	113	213				
8	" " "	1.4	880	2.82	282	1162				

ASSAYER