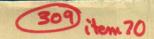
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The following data taken from Report book of Ophir Mining Co. year 1898-9 at the University of Nevada at Reno. Book-# 9 .

REPORT OF G.MC M. ROSS RE- CENTRAL TUNNEL OR 146FOOT LEVEL OF

Virginia City, Nevada . November 30th. 1899.

Quotes - The Central system of workings was re-opened and the most westerly vein referred to in last year's report was followed north, the drift being driven on the footwall for a distance of 63 feet, when a connection was made with an old x-cut, that had been driven from the east. From this x-cut a north drift had been driven in the vein along the hanging wall for 150 ft., the course of the vein having changed from a north and south to a north-east course, the wall continuing on this course for 160 feet. At this point the course of this vein changed to due north and so continued to the Mexican line, when the north drift was stopped. Before reaching the Mexican line, two cross-cuts were run into the footwall of this vein. These with the old workings made a very thorough exposure of the vein. The only point where ore was found was just south of the point of connection with the second west cross-cut. The average of the face of the cross-cut assayed \$2.10 in gold and \$1.20 in silver (\$3.30 per ton), while selected samples assayed \$4.00 in gold and \$8.52 in silver (total of \$12.52 per ton). The ore was base, carrying lead, zinc and ee copper. It is quite possible that there is a large body of this ore, as there is between 200 and 250 feet of ground between this point and the surface. An upraise would determine the value of the vein. The joint west cross-cut started on the Ophir-Mexican line, driven west for 230 feet to date, is being driven west in search of the lower part of the Burning Moscow vein, in which there is reported to be a body of base ore or refractory ore that can be treated successfully by concentration. The formation passed through has been porphyry; the cross-cut cutting seams of clay and quartz assaying from \$1.00 to \$4.00 per ton and ranging in thickness from one inch to two feet; none of the seams having any appearance of being ore-bearing veins. There is no history of the Burning Moscow workings available, so we cannot e say how much further we may have to run west to intersect the vein. The joint Ophir and Mexican east cross-cut from the north drift was driven east 74 feet. This cross-cut was first driven Howas the vein followed from the south. The formation to the east is a soft porphyry that continues for 46 feet. Beyond this porphyry a heavy black clay wall 14 feet thick was found. In cutting through it we found the branches of ore, together with quartz and porphyry pebbles. Within a foot of the west side of the clay in the south side of the cross-cut we found an irregular streak of ore. A south drift was run on the ore 31 feet. The course of the ore was found to be north and south, with an easterly dip of 45 degrees. The vein has ranged from 6 inches to 2 feet. 17 feet south of the joint east cross-cut, in the south drift an upraise was started and put up $13\frac{1}{2}$ feet. The assay value of the ore from the vein since the south drift was started has ranged from \$14.00 to \$363.00 per ton. The south drift has been timbered, as a little water from the footwall of the vein made the ground dangerous. Work will be continued in the raise and drift. No ore has been taken out of the mine. All that has been taken from the south drift and raise has been stored in a drift underground. As near as can be determined from a study of the old maps, it is possible for an ore body of considerable length and depth to exist in this part of the mine which was never reached by the old workings.

as of now. 30th, 1899, Mr. G. Me M. Ross further states distinct possibilities of two other on-bodies existing in Ophir ground. The first one-body is on the surface, in the ophir croppings while the second which his above the mexican Winge and to the south was found and which is designated as block - F of the Ophin claim. In seference to the above he quotes the following as found by leasers. " tothite the results obtained has not been entirely caticfactory, the Company has gained some valuable information, and has expased two bodies of one that will probably yell some revenue, when the one can be worked advantageously. One of these todies is on the surface, in the erappings and is a well defined 5 foot vein with a westerly dip that averages 1777 per ton gold value of one, the proportion of walne being 70% gold gold value that and prises) The second development is a short distance above the Winge Station of the main west drift in the Central Immel, and con-Ast of struke gove in hard porphyry. In a 3 foot face there are 10-12 inche gove in 3 irregular Sheaks. Some neh bunche

(5) fore have been found in this neighborhood and in the same formation. The one is base, ranged from 300 to \$ 1000 per time and of the value 55% is silver and 45% Sold. values are calculated at 60 cents per og In silver, gold at par (2061) on the Central Central level, in the north section of the ophir ivas sesumed during the year 1900. Mr. G. me M. Ran quotes: The one found in a clay wall in the joint Ofkir & Mexican east x-cut was followed by an uprise for 45 from 13/2 to 45 feet. The are continued to the top of the raise in an errigular streak in the clay, and at that faint was ent out. X- luts were run from the try of the saire into the fact & hanging walls but no values found. The x-cut ento the hanging wall struck a little mater which has not get drained out. The south dreft was followed and a connection made with the Central Funnel system of workings, While driving the south drift a large vin formation was prospected, but no on qualue was found outside of the heavy bluck clay, in which the one was first found. from the workings there were extracted 17 cars

(5-A) gare of 392 tralue per ton. It was found empossible to key this one clean while ming it, as it was hadly mixed with clay. , a winge was sunh just south of the line of the vein found by the joint E. x-cut, a depth of 72 feet on the slope or 50ft vertically. North & south dufts and E. & W. x-cuts were sun. The formation was found which carried are on the Central Turnels level and above it, but nothing of value force below in any part of the winge, nor in the working from it. the just W. x- let was driven by, a total of 19 feet and stopped in hard por shiping. 18' back from the face a small vein of clay & quarty was ent and was followed south for 203 feet. The vein has been continuous but uregular, ranging in width from a few makes to between 3 + 4 feet. carrying values ranging from 50 up to 800 per ton. Work has been discontinued in this drift, but a little more work should be done before it is abandoned. Central Tunnel System -This system embraces all the workings on this level which is the level of the collar of the ophir shaft. One has been extracted from the stopes west of the mexican shaft and

5-13 south of and above the Theresean winge statum. The one is a heavy sulphide in quarty stringers that run into hard porphyry, withthese stopes 19 1913 tons of our that welled the Company 612 per ton and 13 min tons fore that netted 382 per ton, there is a considerable quantity of such are left on the margin of the old stopes, which can be worked when a good modern mill has been provided for the treatment of such ones. Mr. G. Mc M. Ross referred to the the section of ground, now known as Block-F)

6 Ofhir Croppings as of now 30th 1900 mr. S. Me m. Ross reports on the Ophir Croppings, which lie above on surface in the north section of the Ophin Claim. He Suring the past year no work has been done in the evesterly disping view referred to in last year's report. an examination has been made of the Ophin Croppings and work done to determine the position of the vien the work shows that to the east of the slide, There is a quat mass of buscisted quarty containing some one of no sulphides and beyond the slide to the west a well defined vein of massive or unbroken quarty containing one with partly decomposed sulphides of silver, lead, zinc + lapper. In places on or near the surface the sulphides are very much decomposed, while at other places sometimes close to the decomposed sulphides 1 there are masses of unaltered sulphides. The decomposed & gartly decomposed sulphide one that carries but little gold. On assaying 30to 50 ogs (\$1800-3000) Jilver , contains but . 80 cents of gold per ton, while the trunches of our found in the brescrated quarty contains from 70% to 90% of the value in gold, with silver calculated at 60 cents per og. The bresciated quarty, where exposed has shown a width of feet, the herappings are unques in size &

Ophin Croppings 7 but are very favourably located for upon out mining or quarrying, they could in this way be mined & roughly assorted at a very low cost per ton. To ft North & 120 ft. west of the collar of the mexican skaft, and 380 ft. south of the north line of the Ophin Mine, a Tunnel has been re-agened in which there is a bady of black manganese stained quarty 50 fut thich which assays from 200 to 600 a ton. It is for the purpose of seaching this body of quarty on the 56 foot level, of the mixican shaft, above the central tunsel, that the main west x-cut on that level is being cleaned out & regained. It is well to mention that Me m. Ross found values on the above mentioned 56 level, assaying from 500 to 800) this level is 100 feet below the surface Tunnel. the Burning Museow workings which are now a just of the Ophin and included within the Ophir patent, have been partly reagened. There had been no work done in this part of the mine for probably is years (since 1875) So far we have been smallets find one drift and that hadly caved. as the old workings are to the east of The shale and no quat elestance below, it is not likely that we will find

Ophin Cuppings (8) any of them agent. a Tunnel was started near the north line of the Ophir and about to feet above the callar of the Mrs. Skaft. This x- cut was driver South-westerly a distance of 150 feet. Shortly after the x-cut was started and when in 19 feet, are was struck and found to be an irregular bunch of spidized one, 4 feet thick, in quarty of The same general sharacter as the one. Short drifts were sun north + south and a winge sunk 10 feet. from this bunch there were extracted 15 Tons of 343 ore and 10 Tons of 9 to on. The quarty surrounding the on today was not separated by clay walls, now by any different kind of questy or rock. It was a kernel gove in a body of gusty.

44' beyond the first are "we have found a vein as budy of one & feet thick on the we cut into one of the old Burning Moscow dufts, so budly caved that we could not examine but little of the ground agenced by it. The S.W. X- Cut was continued with a slight change in its course to the north and has been sum 150 feet three an opidized cut into a blue clay wall containing bunches of white quarty, West of this clay the (9) Ofhir Crappings is supposed to be a large hody of solid quarty. from the 2nd are bady found in this tunnel Tons of 108 " are, 45 Tons of 33 80 and 44 tons of 11164 one, as per mine assays, While drifting thru' this hady going north one set, south a sets and in rusing This are budy is not much better defined than the 15 bunch gove found. This a man gover in a guarty budy.

Cole Croppings - feb 8/1901 at a point near the south end of the eentral mass of exoppings, a winge that had been sunk on a strenk fore was cleaned out and found to be to feet deep. This winge has been sunh 4 feet (30 ft) In the south end of the bottom lane a 4 foot win of one increasing in size with depth. The averague value of the vein is now 150 per tin. The winge was sunk 6 ft - (36') hottom in a 4 foot view of 800 to 1400 ore. Winge sunk 4 ft - (40') bottom in a 4 fast vein 1200 - 1300 per ton of 402- 600 one 6ft - (46') bottom in 31/2 vien Winge sunk 5 ft - (51') pattom in 21/2 vein g 3 = 400 ore 850

Ophin Coupping Tunnel

15 Tono @ 3438
10 " @ 946 36,56 356) 9361 9361 1681 1536 1480 11280 2nd One body-942 @ 1500 9-9161 3193 341/2 44 @ 16 0 6 tons a 4170 2264 (a) 4 18 47 7.89 @ 0 0 . @ 0 3,06 2583 31 48 @ @ @ 11 @ a 00 @ 0 40 @ 2440 @ 00 a 37 0 0 6967 @ @ 21 a 892 27 18 @ 22 (a) 24 43 3 13 20 47 14 14 @ 347507680 0 @ @ @ @ 0 1364 @

70' high East end 125' long on top 30' high west end Slope 45° sides. 125 37500 300 tous to the for 35000 3,10 350000 105000 108500,00 1565,500 540 255 1350 1200 1215 4.18 10% 200054