1710 0040 AMERICA Nevada- Eldorado Mines ZINC WALTER SWART FILES. NEVADA

FOLDER 366

G. A. DUNCAN, File Under Nelson, Nevada, July 8th 1911. Mr W.G.Swart, 1118 Foster Bldg, Denver, Colo. Dear Mr Swart:-I am in receipt of your letter of July 6th asking for maps and report of the property offered for sale by The Nevada-Eldorado Mines Co., which I inclose herewith.
You will see that the accompanying report covers only the Flagstaff Group. When we had Mr Amsden examine and report, it was our intention to sell only that portion of our property; holding the remainder for future development and operation. I explained to you why it has been decided to sell all of our holdings here, and have drawn a red line on the large map herewith inclosing the area we now propose to convey; a total of about 530 acres, all surveyed and of perfect title, 320 acres of which are patented. I have no report, made by a disinterested engineer, covering the 12 claims now offered for sale in addition to those treated of in Mr Amsden, s report. We are now adding 8 patented, and 4 unpatented claims; 4 strong veins showing good ore shoots developed to a depth of 50 feet, with several veins undeveloped, but showing ore of milling grade on the surface. We are now offering an added 3000 feet in mar along the great main fracture vein, making a total of 8000 feet along the main fracture of this section, which main fracture is both the water course and mineralizing channel of the region. The new area offered contains a better location for a mill than is the point mentioned in Mr Amsden, s report, and at this central location it is probable that a strong flow of water will be developed, in addition to that now furnished by the Flagstaff shaft. Known ore shoots lie both east and west of the one opened by our Flagstaff shaft, in the main fracture vein. Our west drift from the Flag staff shaft has not opened the ground beneath the strongest out-crop that shows along the main fracture, and its departing veins, showing good on the surface, have not been prospected. From The Lucky Jim there were taken, in the early days of milling at the Colorado River, \$125000.00, from shallow workings. The Rambler, some what developed, shows ten feet of \$9.00 ore, and promises a long shoot, this being a vein north of the main fracture, while the Rover vein, north of the Rambler, developed by a drift about 200 feet long from the bottom of a 50 foot shaft, shows a vein 3 feet 6 inches wide carrying from \$8.00 to \$12.00 per ton. The Yellow Ned carries 3 feet of \$15.00, ore at a depth of 50 feet. Shallow openings near the junction of the Old John and the Lone Cabin disclose a strong vein, 6 feet of which carries \$10.00 per ton, and an equally good vein in grade, but and strength is opened by shallow cuts on the White Star claim. There is a strong vein running the length of the Annex claim, and the Central claim carries the apex of the main fracture as far as it is uncover ed to the eastward. There seems to be a basis of hope for cheap horse power for this sect ion, and for low cost of transportation to Needles, in the dam proposed 40 miles below us on the river. If the dam is built as planted, we will have a lake at the east end of Eldorado Canon. We hold pleasant memories of your short visit with us, and unite in cordial regards to you. Yours sincerely, HISTORICAL MANUSCRIPT COLLECTION

American Zinc Co., Walter G. Swart Files Fol Nevada

C O P Y.

G. A. Duncan, Mining Engineer.

Helson, Bevada, July 8th, 1911.

Mr. W. G. Swart,

1118 Foster Building,

Denver, Colo.

File Under ______Subject ____

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We hold pleasant memories of your short visit with us.

and unite in cordial regards to you.

Yours sincerely, (Signed) G. A. Dancan.

THE NEVADA-ELDORADO MINES COMPANY.

occupany, is situated in Eldorado Mining District, in the southeastern part of Clark County, Nevada; six miles west of the Colorado River, 28 miles north of Searchlight, Hovada, where terminates a branch of the Santa Fe Railway System, and about 30 miles east of Jean Station on the San Pedro, Los Angeles and Salt Lake Railway.

Eldorado Sining District.

This District has been favorably known to the mining public for many years through the successful operations of the Southwest Mining Company, (now controlled by the Joseph Wharton Estate) whose Techatticup and Savage claims, adjoining the Flagstaff Group on the north, have produced from surface—oxidized ore, \$550,000.00.

derado Canon on the Colorado River. The process employed consisted of dry crushing by stamps and amalgamation in pans, which beside
being vory expensive, was wasteful; the tailings accumulated, having
an assay value of \$10.00 per ten, were afterward successfully symmided.
The surface cres from the various properties having been extracted,
and the complex cres, which came in with depth in the veins not proving amenable to the amalgamation process then in vegue, operations in
this district were almost compended, and, in common with the rest
of Esvada, the industry languished for a number of years until the
remarkable discoveries in Tomopah and Coldfield attracted the attention
of mining men whose intelligence and emergy have accomplished notable
results in almost every old district in the State.

LODE CLAIMS.

The Palstaff Group consists of 19 claims, about 525 acres, all surveyed and properly marked on the ground by a Deputy U. S. Surveyor. The work for securing patents for eleven of these claims is now well advanced. The titles to all the claims are perfect, all and every formality of the oustons of the District and Hining Laws of the State and United States have been strictly observed.

The property was purchased by the present owners in 1907 with the purpose of selling after development has been carried to the extent of their financial ability, which point has now been reached.

The Flagstaff claim is of principal importance, the greatest amount of work having been done there. (For a complete list and location of the claims see accompanying blue print at back of this report).

GEOLOGY AED VEIN CHARACTERISTICS.

The rocks of the District and of this property especially are of igneous origin, chiefly Diorite, with intrusions of Andonite.

Disbase and Enyolite, all much altered. Along the east and west main fracture of the region, which is marked by Eldorado Canon which outs lengthwise through the Flagstaff claim, the rocks are peridetitic which in the vein has been altered to serpentine. The region has been very generally, but not extensively faulted and slickensides abound. The veins have a generally east and west coarse and dip toward the north. The outerops of most of the veins consist of saleite or cale spar, home are locally called "Spar" veins. There are about four miles of spar veins cropping on the property, varying in width from 2 tens fast and at various places showing workable ore on the surface. Some of these veins have been opened, all of

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Technitisms and surage claims, a part of the Joseph Wharton Ratate,
lying north and approximately parallel to the Flagstaff vein, afford t
the only instances of the development of the spar veins. These veins
have a width of about 8-1/2 feet, and, as previously stated, have a
record of \$850,000.00 produced from the surface, or oxidised ores.
The shaft on the Technitisms vein is 750 feet deep, and in sinking
the lime was found to be more and more replaced by silica with a
corresponding increase in gold and silver content. The productiveness
of these calcite veins, similar to those outcropping on 15 of the 19
Plagstaff claims, justifies the belief that important crebodies will
be encountered in the latter when they receive the attention and
development which their surface showings in numerous places/would

The Flagstaff vein, while not strictly speaking a spar vein, carries a great amount of lime in its ore. It outcrops in and along an amderite sike which may be traced on the surface for more than 5,000 feet. It follows the main fracture above mentioned through the Emkse Elade, Arapshoe, Flagstaff, Monterrey and Honterey Extension claims, and on the east it passes into adjoining property where a very important orabedy is opened. The outcrop on the Flagstaff is beld and shows a good milling grade of ore for 18 feet in width where is forms one wall of Elderade Canon. The course of the vein is South 50° Bast and it varies in width from 10 to 40 feet dipping toward the northwest at 40°, under a mountain that separates the Flagstaff from the Techatticup vein, about 1500 feet distant. The Fechatticup appears to be a spar from the main

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fracture, the junction probably lying somewhere in the Monderey Extension claim. The andesite dike constitutes the lode, the ere being the altered and mineralised andesite carrying a complex sulphide of iron, lead, copper and sine.

DEVELOPMENT.

The main workings consist of a 800 foot shaft sunk about the center of the south side line of the Flagstaff claim. The first lovel as at 200 feet depth, running easterly 300 feet and westerly 241 feet. (Unless otherwise stated all elevations are measured on the dip of the vein.) At 300 feet there is a level running easterly 300 feet and westerly 45 feet. At 470 feet there is a level running easterly 300 feet. The incline starts in the vein at the surface where the values are low with gradually increasing assays until the 200 foot level is reached (at an actual depth of 220 feet). See accompanying assays sheet showing locations of samples and their values. There is also attached to the back of this report a second assay sheet showing a plan of the 200 foot level upon which is shown the location and accesy values of camples taken by another engineer who spent several days in very thoroughly sampling the property. In both instances large samples were cut across the dip of the vein and reduced to a convenient size for handling in the assay office.)

It is readily understood that the drifting in a large wein like this one having a width of from 10 to 40 feet, cannot properly expose its ore unless frequent cross-cutting is done; and a study of the missions course of the drifts as shown on the survey map makes it evident that the drift at 200 feet does not, at all points, disclose the bet parts of the vein; for instance, in starting this

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level toward the east the values were low, but later in shooting out a sump to held water for demestic purposes, off toward the hanging-wall are of good milling grade was found. Evidently the <u>location</u> of that portion of the east drift on 200 near the shaft accounts for the low results obtained there as shown on the assay sheets.

The Macgregor shaft is situated 200 feet east of the main incline and goes down in the vein, making connections with the 200 foot and 200 foot levels. This shaft is situated in the Eldorado Canon wash and its collar is considerably lower than the collar of the main shaft.

outs at the 200 foot level, is a highly altered and mineralized amageste dike enclosed in Diorite. The footwall is better defined than the hanging wall and is accompanied by a sexpentine gauge or selvege. While the greatest alteration and heaviest mineralization has evidently taken place along the footwall side of the dike, coccasionally the best values are found nearer the hanging-wall, suggesting that the mineralizing agent has circulated along lines of least resistance occasionally meandering through the dike but mostly fevoring the foot-wall side.

The vein makes considerable water, the flow from the shaft a smounts to about 15,000 gallone in 26 hours, excepting for a while during the driest season when it falls to 11,000 gallone. It has been noticed that where the vein is seftened and naturated with moisture the values are lower, the drier and harder portions of the vein invariably assay such better. This engagests leaching with son contrations of places decomable for redeposition at a depth,

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me doubt, someiderably below the present deepest workings. This idea is strongthened by the evidence of leaching to be seen in many places in the District along the outerops of the veins, and the fact that the vein carries some mangamens which, in decomposition with the sulphides is known to be a ready solvent for the precious metals.

Those portions of the 200 foot level west of the shaft, not marked on the assay sheets are through gracund below the normal inst hardness, and wet, giving assays from \$2.00 to \$4.00 per ton, with the exception of 30 feet of its length along a harder section where good width and normal balues are found; west of the latter section the vein is softer and carries more water, and the values, so far as exposed by the drift, are below milling grade; passing this last condition, the present face of the west drift is in hard dry andesite such as otherwhere precedes the finding of good ove after passing through a poor place in the vein, with the exception that this body of andesite is of much greater mass both along the strake of the vein and as shown in crossout, then has heretofore been opened in the Drift. This west drift is approaching a point under the vein outerop where the largest exposure of quarts in this section is seen, and a point in t the Plagetaff voin that is favorable for developing the greatest body of ore. At a point 375 feet east of the main shaft and 25 feet east of the Macgregor shaft (shown on the assay sheet) the vein outerep passes out of sight under the sand wash forming the bottom of Elderade Canon, and resppears on its true vein strike 800 feet to the eastward on the Yankes Blade claim, where the outcrop for 10 feet in width assays \$7.00 per ton.

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An unusual but highly important characteristic of the Flagstaff wein is that its <u>highest values</u> appear to invariably occur in the <u>widest portions</u> of the vein and orebody.

The assay sheet shows that below the 200 foot level there is a material falling in the assay value of the ore exposed by the main shaft, while the Macgregor shaft shows the values to carry down to the 300 foot level, with no appreciable diminuation.

In discussing the conditions found below the 200 foot level.

the Company's Manager, Er. C. A. Duncan, who is an engineer of wide

practical experience, made the following statement, vis:

"In sinking below the 800 foot level we followed a sone of breccia, as the line of least resistance, believeing that it closely accompanied the ore, the assays secured as we progressed reinforcing that belief. The opening of the levels at 300 and 470 feet was unwisely done before sufficient work had been performed at 200 feet to thoroughly inform the management as to the vein characteristics.

At 300 and 470 feet levels were run along the parting in which the shaft was sunk below the 200 feet level,
in values of varying grade, usually not in pay ore, the
work not disclosing the strongly-marked feetwall, the
andesite dike, and the very large body of pay ore which
it was found later, are the features of the vein as
opened at 200 feet."

getting off into either wall in sinking or drifting through faulted or crushed formation. A careful examination of the 800 foot level reveals no disturbing feature that could account for the break in the ore somewhere between the 200 and 300 foot levels, but in the Enegregar shaft just above its connection with the 300 foot level, are to be seen two cross fractures, evidently fault planes, which are easily identified in the 800 foot level, and dip strongly toward the main shaft. It seems hardly probable that this faulting can be responsible for the poor showing in the 800 foot level, but it unquestionably has considerable

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influence on the 470 foot level as will later be explained,

Inspection of the assay sheet shows that in the main shaft, between the 2nd and Srd levels, the values hold above milling grade for about half the distance, after which they fall, rising again in the Srd level for a shart distance each way from the shaft. A careful study of the shaft and level at this point justifies the belief that about half way between the levels the vain is lest, being left in the hanging wall, and that it was out through bynthe east drift which was continued under the vein and in the footenil, sometimes approaching very mear it, so that the occasional good assays were obtained from leachings from the vein.

The uniformly good values next to the shaft at the 3rd level are no doubt from the vein which is exposed there for a short distance only. There is every reason for the belief that with a comparatively small amount of work the vein may be shown up on this level to as good advantage as in the level above.

The situation on the 470 foot level is somewhat more complicated by the presence of the disturbing fault which by reason of its dip must be reckoned with here, the result being that the vein is pushed into the hanging wall, which will necessitate cross-cutting from the present workings before the vein will be expessed on this level. The rooks held below the second level are softer and contain more water which has altored the character and appearance of them and might render it difficult to locate the vein on the lowest level were it not for the information to be gained by tracing the fault planes to the surface where everything is explained by the outerep of an intrusion which, for a comparatively short distance, has thrown the vein into the hanging-wall, causing it to assume a curve, after which it resumes

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its normal course and dip, with ore of good milling grade. ORR IN SIGHT.

With regard to the ere in sight, ready to be etoped, the owners through their Manager, Mr. Duncan, make the following claims:

> "Summing the experience and assays secured in progress of development in the Flagstaff shaft the writer makes the assertion that the work there done has made accessible, and ready for stoping, 40,000 tens of ore having an average value of \$7.50 in gold and \$4.50 in silver, a total of \$12.00 per ton; that the average width of ore is 10 feet; that the widest ore and vain widths carry the best ores; and that a recovery of 80% can be made in concentrating, putting 40 tens into one. The consentrated product will impose no sine penalty, and will contain some lead and a small amount of copper."

A careful study of the assay sheets reveals the fact that the ere exposed may properly be divided into "ere in sight" and "ore probably in sight", the latter, however, while being of considerable importance as having a strong bearing on the future of the mine. is not taken into account in estimating its present worth. With regard to the probable average width of the crebody when broken, while the lack of crossouts prevents accurate measurements, sufficient information is available to justify the claim of 10 feet made by Mr. Duncan, and this figure will be used in the following calculations:

The average value of the ore in the different blocks and the dimensions of the blocks are estimated as follows: block No. 1, supered and sampled on three sides under ground, and partly exposed by its bold outerep, where for a width of 18 feet it samples 39.00 per ton, is bounded by the main shaft, the Maggregor shaft, and the 2md level. Its length along the level is 300 feet, and its height may be safely assumed to be 160 feet, which gives 500 x 160 x 100 480,000 cubic feet, which allowing 15 cubic feet for a ton, equals

SS, SES tons. As the sverage of all samples taken from the three expessed sides, intervals of less than 12 feet, is \$11.65, and the large outcomp averages for 18 feet \$0.00 per ten the conservative figure of \$10.00 per ten is adopted in estimating this block of ore, giving a gross sum of \$369,230.00. Block No. 2, lying between the two shafts and under the 2nd level, is exposed on top by the 200 feet level for 500 feet, on the east by the Madgregor shaft where the values are good for 100 feet in height, and by the main shaft where normal values hold for 60 feet below the 2nd level. In this block of ore which is \$2 feet in height, we have 500 x 75 x 100 825,000 subic test, or 17,300 tons.

The average values obtained from this block are \$12.80 which justify adopting \$12.00 as the value per ten, and we have 17,508 tens at \$18.00, which equals \$807,696 for the gross value of this block. Blocks one and two, being exposed on three sides are considered to be sufficiently well proven as to class as ore in sight ready to stope. Block Ro. S. lying west of the shaft and extending from level No. S to upper limit of Block No. 1, while it is emposed on two sides and out through near the center, is not classed as "ere in sight", but as probable ore in sight. This block is 260 feet high and estimated at 50 feet wide, and we have 260 x 50 x 10= 180,000 ouble feet, or 10,000 tens which valued at \$10,00 per ten smounts to \$100,000.00. Block No. 4, lying east of the Mangregor shaft and above the 3rd level, is 260 feet high by an estimated width of 50 feet, giving a block of ore 260 x 50 x 10= 180,000 oubis feet, or 10,000 tone estimated at \$12.00 per ton, amounts to \$120,000.00. As this block is not exposed on at least three sides, it is classed as

ore probably in sight.

Recepitulating the foregoing estimates we have:

Ore In Sight.

Theor No. one, 56,983 tone 5 \$10.00 equals \$ 569,280.00 a \$12.00 " 807,696.00 Totals 56,881 " \$ 808,886.00

Probable Ove In Sight.

Hook No. three 10,000 tens 8 \$10.00 squals \$ 100,000.00 tons 2 \$12.00 " 180,000.00 tons 2 \$12.00 " 180,000.00 tons 2 \$12.00 " \$ 180,000.00

ECONOMIC CONDITIONS.

other requirements, the shaft at 500 feet depth will probably average
the year round about 15,000 gallons in twenty-four hours, and there was
a constant increase in flow bewteen the 5rd and 4th levels which justifies the expectation that a considerable addition to the present flow
will be developed when the shaft is deepened. On the Mangregor claim
Eo. 8 water comes to the surface under conditions that indicates a
considerable flow upon development, and on the Monterey Expension
claim during a portion of the year, varying from 6 to 8 months, sufficient
Elevation to admit of its being conducted to the sollar of the/shaft.
This water is from a separate source from that supplying the flow in
the shaft. Should a greater ascent of water be required for the treatment of a larger production of ore as unlimited supply may be obtained
by going to the Colorado Rivar 8 miles distant over a smooth 65 grade
fellowing the bed of Elderado Campa.

He timber grows in this region, but an abundance of wood for demostic purposes is secured for \$10,00 per cord delivered in camp, being taken from the Coloredo River during flood conson by the Indiana.

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Por operating mines and cills, gasoline and distillate are cheep and convenient facts where the requirements are moderate, but for larger demands California Crude Cil, meed for firing steam boilers, or in commection with Producer-Ces Plants, promises horse power at commental figures.

The sititude is somewhat under 3,000 feet, and the climate is mild and dry throughout the year so that no expensive buildings are required. The improvements now consist of the Superintendents & room frame house, a large boarding-house tent, bunk tent, Foremen's tent, cook's tent, elesping tent for night shift, bath-house for men, assay office, and business office, to all of which water is piped from the tanks at the collar of the shaft. At the collar of the working shaft is the following equipment, a & H.P. and a 16 H.P. Fairbanks-Morse Gasoline Hoist, a 25 H.P. Fairbanks-Morse Sasoline Engine, a air 10 x 10 inch compressor, a drill sharpewar, a &-1/2 inch Sullivan drill, a & sair hammer drills, a supply of both machine and hand steel, 2 forges with tools complete, 7 galvanised iron water tanks, 5 skips, a quantity of rails, piping for both compressed air and ventilation, and water pipe in the shaft and to all the buildings in Camp.

Freight from Searchlight now costs \$10.00 per ten which may be reduced under improved conditions resulting from new roads new building and increased traffic. The measurest Smelter is that of the United States Smelting Refining a Mining Company at Reedles, California. Railway freight from Searchlight to that point on ore in car lots varies from \$1.10 to \$6.00 per ton, the charge being based on the grade of ore.

On account of its favorable situation within eig miles of the Colorade River and the excellent matural road down Eldorade Canon to its month.

which is but eighty miles from Reedles, it would seem that Plagetaff ere should be floated flown the River at a very considerable saving over the cost of the much longer and more expansive wagon and rail haul via of Searchlight and the Rail Road,

Sal Lake Rail Road, leaving the train at Hipton, California, where Antomobiles from Searchlight meet all trains. A stage, Saily except Bunday, leaves Searchlight for Belson, one and one half miles east of the Camp, and upon arrangement the driver will bring passengers through. One scaing by the Santa Fe Route would leave the main line at Goffa, California, and proceed by a branch read, Saily except Sunday, to Searchlight where both routes connect with the Melson Stage, Antomobiles bring passengers to Relson by arrangements. A telephone line cornecting Searchlight and the mine in the currounding region passess through Camp.

CONCLUSION.

The foregoing facts, which may be easily verified, substantially convenerate the claims made by the owners that they have "expende ready to stope, 40,000 tons of ore of an average value of \$12,00 per ten". The apparent discrepancy between the shows statement and the estimate of 84,251 tons worth \$876,986,00 is due to the inclination in the latter of certain pertions of the vain which, while having a tendency by lower the general everage value below \$12.00 per ton, carry values sufficiently high to pay a good profit on a large tennage. To stimust to grade the ore up to \$12.00 per ton at the expense of low grade ore that will pay a satisfactory profit will be washedal extravagence.

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Nevada

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The Flagstoff Group presents all of the essentials for the development of a large mining suterprise, vis; a large scerage in a proven district where entirely similar voins have yielded large returns under grude and wasteful methods now discarded; several thousand feet of veins enteropping, which in numerous places show pay ore at the surface; a partially developed mine with more than half a million dollars worth of ore ready to stope; with an ample water unpply, and facilities for operating under the most favorable conditions. The geologic conditions are favorable for permanent and deep mining, since the mineralisation occurs in an eruptive anderite dike that has some up from the depths and the unusual length and width of the outerop indicates a strong and perisitant fissure to continue and carry its mineralization to a great depth. The break in the ore on the lower levels is no doubt but temporary and probably not a serious matter, such conditions are of frequent occurrence in eruptive areas: the fault showing in the outerep of the vain sufficiently assounts for the mixup under ground and affords a key to its solution.

The ore should yield readily to consentration, the rich sulphides will separate freely from the gangue which centains no Baryta or other objectionable material that woul require a complicated method of treatment.

a concentrating will at the collar of the main shaft where there is an ideal site that will require very little extra expense for excentations, read making, etc.

A complete up-to-date plant consisting assentially of creature wells, pulverising machinery, and concentrating tables, having a daily organity of 160 tens, can probably be exected for \$50,000.00, and for such a production the mine equipment will have to be replaced by a heavier hoist and compressor, and additional machine drills, cars, etc., which may call for \$25,000.00.

Nith such a plant in operation, allowing liberally for mining and milling costs, including losses in treatment and marketing of concentrates, there should be a profit of \$500.00 per day, and the mill should be kept busy for 548 days on the ore now ready to stope.

In addition to the Flagstoff voin there are several parallel voins, before described, which have several important ere-shoots showing on the surface that would be considered promising prospects in any mining region, that add largely to the prospective value of this property.

Respectfully cubmitted, (Signed) O. B. Amplen,

M.R.

White Hills, Arisona, September 18th, 1910.

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Assay Sheet, 800 foot Level, Flagstaff Sheft.

May 18th to 19th, 1910.

	Gold.	Silver.	Total.
\$4-8ft. ore in Macgresor shaft at east end of 200 feet drift but showing lower portion of the velocity exposed in the drift near the shaft.	0 8.45	8 2.00	0 5.45
\$5-75t. ore in Mangragor shaft, the 4 feet above	9,78	5.20	12.98
\$6-7ft. ore in 800 feet drift, 6 rest w. or mic-	CETTER COMPRESSION AND		4.38
de-7ft, ore lost, w. of to	2.18 2.16 2.58	0.80 1.80 1.60	3.76 4.15
#11-7ft. ore 10ft. U. of #10 " "	B=54	8.40	4.94
#18-7ft. ore loft. W. of #18 " " #14-7ft. ore Sft. W. of #15 " " #16-12". ore in pressent to south, from foot-	5.02	7,20	13.02
\$16-Oft, ore in cross-out to north,	18.64	26,40	45.04
from footwall, f18-6ft, ore east side of north press-out, f19-7ft, ore 8ft. W. of f16, no walls,	12,44 2,44 3,56 5,98	13.60	19.64
10ft. V. of \$20, opposite winse and north cross-out. (Sla in winse, up footwall 5 feet, the 9 feet above \$21a in winse, the 7ft. above \$21b in winse, the 7	10,06	28460 17.60 9.60	25.66
the 7ft. above falls in winse, the 7ft. above falls in winse, the fall of the state	0.78 5.68 5.70 5.18	2.00 16.80 8.00 4.80	13.70
505-571. ore next footwall, in south cross-out,	19.08	19.20	58.28
#37-72%. Ore unil of trick exposite excess-out adding a feet to width of dre, #38-72%. One 10 ft. 7. of #27. no unils. #38-72%. Ore 12 ft. N. of #38. " #38-72%. Ore 10 ft. N. of #38. " #38-72%. Ore 10 ft. N. of #38. " #38-72%. Ore 10 ft. N. of #38. "	2.02	4.00 7.80 4.00 25.40	5.80 5.80 30.61
in heath group-out, no unlis,	1.80 5.90 1.00 0.84	0,40 4,00 8,40 8,40	1,70 7,90 5,40
ST-True ore Bri. 1. of main shart, no wells, SS-LI' ore Oft. N. of #57, from insteall up.	25,00 6,68 8,42 16,28	4.80 5.80	37.40 11.68 21.68 25.08

VESTERN HISTORICAL MANUSCRIPT COLLECTION

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American Zinc Co., Walter G. Swart File

AND 750, own E St. R. of 660, no malls	0010# \$21.62 \$ 5.80	Silver. 11.20 4.00	\$ 38.78 9.80
945,775, ore lost, w. of six, takes to dross	5.08	4.80	9.88
sater course. \$44.650. pro 58 fb. W. of \$45. from footmall up no hanging-well. \$45.650. ore loft. W. of \$46. \$46.750. ore loft. W. of \$46. \$47.750. ore loft. W. of \$46. on bench,	1,24 1,61 8,80 4,89 1,88	2:40 1:60 8:00 2:40 3:20	2.64 5.21 16.80 7.29 4.78
#65,721. Ore 17ft. W. of 747 west face of drifts in andesite, no walls, 551,10ft.ore below #4 and #5, Macgregor shaft, 552,10ft.ore below #51, no walls, 85,10ft.ore below #52, no walls, 554,10ft.ore below #65, no walls, 564,10ft.ore below #65, no walls,	1.16 5.78 5.78 5.86 3.85 7.86	1.60 4.80 4.80 5.50 6.00 5.60	8476 10458 8.58 9.46 9.65 12496

The accompanying plan showing the 200 feet level, together with the main shuft and the Masgragor shaft, will furnise explain the above series of emples. There he walls were shown in the drift, the dip of the vein in crossing the drift, exposed V feet of the vein width.

American Zinc Co., Walter G. Swart Files

Nevada

THE VEVADA-PLDORATO MINES COMPANY.

The Plants of Dropp of Loas Mining Claims, where the shove Company, is pituated in Elderade Mining District, in the South-Seatern part of Clark County, Royada; six miles west of the Color-ade River, SS males north of Searchlight, Toyada, where terminates a branch of the Santa Po Railway System, and about 30 miles constor Jean Shatler on Ebs San Pedro, Los Angeles and Salt Lake Rail Boad

Eldorado Mining District.

This District has been favorably known to the mining public for many years through the successful operations of The Southwest Mining Company (now centrolled by the Joseph Wharton Patate) whose Techsticop and Savage claims, adjoining the Flagstaff Group on the north, have produced from surface, chidised are, \$550,000.

This are was treated in the Company's mill at the mouth of Ridorado Canen on the Golorado River. The process employed consisted of dry crushing by stamps and amalgamation in pans, which beside being very expensive, was wasteful; the tailings accumulated, having an assay value of \$10.00 per ton, were afterward successfully eyanided. The surface ores from the various properties having been extracted, and the complex ores, which came in with depth in the veins not proving amenable to the amalgamation process then in vogue, operations in this District were almost suspended, and, in common with the rest of Revala, the industry languished for a number of years until the remarkable discoveries at Tonapah and Soldensergy have anogmylimhed notable results in almost every all the triet in the State.

Lode Claims.

The Flagstaff Group consists of 19 of and, about 523 does, all surveyed and properly market one ground by a Deputy De S. Surveyor. The work of adving patents for 11 of these claims in now well advanced. The titles to all the claims are perfect, all and every formality at the quatoms of the District and Mining Lass.

3

of the State and United States having been strictly observed.

The property was purchased by the present owners is 1907 with the purpose of selling after development had been carried to the extent of their financial ability, which joint has now been reached.

The Plagaters claim is of principal importance, the greatest amount of work having been done here. (For a complete list and legation of the claims see accompanying blueprint at back of this report)

Geology and Yein Characteristics.

The rocks of the District and of this property especially are of igneous origin, shiefly Diorite, with intrusions of Andesite, Disbase, and Rhyolite, all much altered. Along the sast and west main fracture of the region, which is marked by Elderade Canon which cuts lengthwise through the Flagstaff claim, the rocks are peridetitic which in the vein has been altered to surpentine. The region has been very generally, but not extensively faulted and slickensides abound. The veins have a generally east and west course and dip toward the north. The outerops of most of the veins consist of calcite or calc spar, hence are locally callad "Spar"voins. There are about four miles of spar voins cropping on the property, varying in width from 2 to 8 feet and at various places showing workable ore on the surface. None of these veins have been opened, all of the work having been cancentrated on the Flagstaff veia. The Sechatticup and Savage claims; a part of the Joseph Wharton Estate, lying north of and approximately parallel to the Flagotoff vein, afford the only instances. of the development of the spar veins. These veins have a width of about 3% feet and, as previously stated, have a record of \$550, 000 produced from surface, or exidized ores. The shaft on the Techatticup vein is 750 feet deep, and in sinking the lime was found to be more and more replaced by silica with a corresponding increase in gold and silver content. The productiveness of these calcite veins, similar to those outeropping on 13 of the 19 Flagstaff claims, justifies the belief that important orebodies will be encountered in the latter when they receive the attention

and development which their surface showings in numerous places

The Flagstaff vain, while not strictly speaking a spar vain, carries a great amount of lime in its ore. . It outgrops in and along an anderite dike which may be traced on the surface for more than 6,000 feet. It follows the main fracture before mentioned through the Vankes Blade, Arapanee, Flagstaff, Montersy, and Mentarey Extension claims, and on the east it passes into adjaining property where a very important orabody is opened . The outcrep. on the Flagstaff is hold and shows a good milling grade of ere for 18 feet in width where it forms one wall of Eldorade Sanon. The dourse of the vein is South 60° East and it varies in width from 10 to 40 feet dipping toward the northeast at 40°, under a mountain that separates the Flagstaff from the Techatticus wein, about 1500 feet distant. The rechattioup appears to be a spur from the main fracture, the junction probably lying somewhere in the Monterey Extension claim. The andesite dike constitutes the lode, the ore being the altered and mineralized andesite carrying a complex sulphide of iron, lead, copper and zine.

Development.

The main workings consist of a 500 foot shaft sumk about the center of the south side line of the Flagstaff claim. The first level is at 800 feet depth, running sasterly 300 feet and westerly 241 feet. (Unless otherwise stated all elevations are measured on the dip of the vein). At 300 feet there is a level running easterly 500 feet and westerly 45 feet. At 470 feet there is a level running easterly 500 feet, The incline charts in the vein at the surface where the values are low with gradually increasing assays until the 200 feet level is resuded (at an actual depth of 220 feet. See accompanying assay sheet showing location of samples and their values. There is also attached to the back of this report a second assay sheet showing a plan of the 200 feet level upon which is shown the location and assay values of samples taken by another engineer who spent several days in very thoroughly sampling the property. The 5th instances large samples were out

across the dip of the vein and reduced to a convenient size for handling in the assay office)

It is readily understood that the drifting in a large vein like this one having a width of from 10 to 40 feet, cannot properly expose its ore unless frequent cross-cutting is denot and a study of the sinuaus course of the drifts as shown on the survey map makes it evident that the drift at 200 feet does not, at all points, disclose the best part of the vain; for instance, in start ing this level toward the east the values were law, but later in shooting out a sump to held water for domestic purposes, off toward the hanging-wall ore of good milling grade was found.

Evidently the location of that portion of the east drift on 200 near the shaft accounts for the low results obtained there as shown on the assay sheets.

The Macgregor shaft is situated 300 feet east of the main incline and goes down in the vein, making connections with the 200 ft. and 300 ft. levels. This shaft is situated in the Elderado Camen wash and its collar is considerably lower than the callar of the main shaft.

The vein, as exposed by 541 feet of drifting and several crosscuts at the 200 ft. level, is a highly altered and mineralized
Andesite dike enclosed in Diorite. The footwall is better defined than the hanging and is accompanied by a serpentine gouge
or selvage. While the greatest alteration and heaviest mineral
leation has swidently taken place along the footwall side of the
dike, occasionally the best values are found nearer the hangingmall, suggesting that the mineralizing agent has circulated along
lines of least resistance occasionally meandering through the dike
but mostly favoring the footwall side.

The vein makes considerable water, the flow from the shaft amounts to about 15000 gallons in 24 hours, excepting for a while during the driest season when it falls to 11000 gallons. It has been noticed that where the vein is softened and saturated with moisture the values are lower, the drier and harder portions of

the vein invariably assay much better. This suggests leaching with concentrations at places favorable for redeposition at a depth, so doubt, considerably below the present deepest workings. This idea is strengthened by the evidence of leaching to be seen in many places in the District along the cutorops of the veins. and the fact that the vein carries some manganess which, in decomposition with the sulphides is known to be a ready selvent for the precious metals.

These portions of the 200 ft. level west from the shaft, not marked on the assay sheets are through ground below the normal in hardness, and wet, giving assays from \$2.00 to \$4.00 per ton, with the exception of 30 feet of its length along a harder section where good width and normal values are found; west of the latter section the vein is softer and carries more water, and the values, so far as exposed by the drift, are below milling grade; passing this last condition, the present face of the west drift is in hard dry andesite such as otherwhere precedes the finding of good ore after passing through a poor place in the vein, with the exception that this body of andesite is of such greater mass both along the strike of the vein and as shown in crossout, than has heretofore been opened in the drift. This west drift is approaching a point under the vein outerop where the largest exposure of quartz in this section is seen, and a point in the Plagstaff wein that is favorable for developing the greatest body of ore. At a point 375 feet east of the main shaft and 25 feet east of the Maggregor shaft (shown on the assay sheet) the veto outgrop passes out of sight under the sand sash forming the bottom of Eldorado Canon, and reappears on its true vein strike SOO feet to the enstward on the Yankee Blade claim, where the outcrep for 10 feet in width assays \$7,00 per ton.

An unusual but highly important characteristic of the Flagstaff wein is that its highest values appear to invariably occur in: the widest portions of the wein and orebody.

The assay shoot shows that below the 200 ft. level there is a material falling in the assay value of the ore exposed by the main

shaft, while the Macgregor shaft shows the values to carry down to the 300 ft. level with no appreciable diminution

In discussing the conditions found below the BOO ft. level;
sees the Company's Manager, Mr. G. A. Dunosn, who is an engineer
of wide practical experience, my made the following statement, wir:

"In sinking below the 200 ft. level we followed a zone of breach, as the line of least resistance, believing that it slowely accompanied the ore, the assays secured as we progressed reinforcing that belief. The opening of the levels at 300 and 470 feet was unwisely dens before sufficient work had been reprormed at 200 feet to theroughly inform the management as to the vein characteristics.

at 300 and 470 feet levels were run along the parting in which the shart was sunk below the 200 ft. level, in values of varying grade, usually not in pay ore, the work not disclosing the strongly-marked feetwall, the indesite dike, and the very large body of pay ore which, it was found later, are the features of the vein as opened at 200 feet."

The most usual way in which a vein or one-shoot is lost is by getting off into either wall in sinking or drifting through faulted or grushed formation. A careful examination of the 200 ft. level reveals no disturbing feature that could account for the break in the ore somewhere between the 200 and 300 ft. levels, but in the Macgregor shaft just above its connection with the 300 ft. level, are to be seen two pross fractures, evidently fault planes, which are easily identified in the 300 ft. level, and dip strongly toward the main shaft. It seems hardly probable that this faulting can be responsible for the poor showing in the 300 ft. level, but it unquestionably has considerable influence on the 470 ft. level as will be later explained.

Inspection of the assay sheet shows that in the main shaft, between the 2nd, and 3rd, levels, the values hold above milling grade for about half the distance after which they fall, sising again in the 5rd, level for a short distance each way from the shaft. A careful study of the shaft and level at this point justifies the belief that about half way between the levels the vein is lost, being left in the hanging-wall, and that it was cut through by the east drift which was continued under the vein and in the footwall, sometimes approaching very near it, so that the occasional good assays were obtained from leachings from the vein.

(6)

The uniformly good values next to the shaft at the 3rd, level are no doubt from the vein shield is exposed there for a short distance only. There is every reason for the belief that with a comparatively small amount of work the voin may be shown up on this level to as good advantage as in the level above.

on by the presence of the disturbing fault which by reason of its dip must be reskered with here, the result being that the vein is pushed into the hanging-wall, which will necessitate present workings before the vein will be exposed on this level. The rocks below the second level are softer and contain more sater which has altered the character and appearance of them and might render it difficult locate the vein on the lowest level were it not for the information to be gained by tracing the fault planes to the surface where everything is explained by the outors of an intrusion which, for a comparatively short distance, has thrown the vein into the hanging-wall, causing it to assume a curve, after which it resumes its normal course and dip, with ore of a good milling grade.

Ore in Sight.

With regard to the ore in sight, ready to be stoped, the owners through their Manager, Mr. Duncan, make the following claims,

Forming the experience and assays secured in progress of development in the Flagstaff shaft, the writer makes the assertion that the work there done has made accessible, and ready for stoping, 40,000 tons of ore having a average value of 27.50 in gold and 24.50 in silver, a total of 212.00 per ton; that the average width of ore is 10 feet; that the widest ore and vein widths carry the best ore; and that a recovery of 80% can be made in concentrating, putting 40 tons into one. The onncentrated product will impose no Zinc penalty, and will contain some lead and a small amount of copper.

A sareful study of the assay sheets reveals the fact that the ore exposed may properly be divided into "ore in sight" and "ore trobably in sight", the latter, however, while being of considerable importance as baving a strong bearing on the future of the mine, is not taken into account in coting ting its present worth.

With regard to the probable average width of the erebody when

1.12

broken, while the lack of crosscute prevents acqurate measurements, sufficient information is available to justify the blaim of 10 feet made by Mr. Duncan and this figure will be used in the following calculations.

The average value of the ore in the different blocks and the dimensions of the blocks are estimated as follows, block No. 1, exposed and sampled on three sides under ground and partly exposed by its bold suterop, where for a width of 18 feet it samples \$9.00 per ton, is bounded by the main shaft, the Masgregor shaft, and the End. level. Its length along the level is 300 feet, and its height may be safely assumed to be 160 feet, which gives 300 x 180 x 10 = 480,000 cu. ft. which, allowing 13 cu. ft. for a ton, equals 36,923 tons. As the average of all samples taken from the three exposed sides at intervals of less than 12 feet, is \$11.63, and the large outcrop averages for 18 feet \$9.00 per ton the conservative figure of \$10.00 per ton is adopted in estimating this block of ore, giving a gross sum of \$369,830. Bluck No. 2, lying between the two shafts and under the End. level, is exposed on the top side by the 200 ft, level for 300 feet less, on the east by the Madgregor shaft where the values are good for 100 rest in height, and by the main shaft where normal values hold for 60 feet below the End. level. In this block of ore which is 100 feet high at one end, 50 feet at the other and averages 75 ft. In height, we have 300 x 75 x 10 = 885,000 cu. ft. or 17,308 tene.

The average values obtained from this block are \$12.00 which justify adopting \$12.00 as the value per ton, and we have 17, 08 tons at \$18.00 = \$507,596 for the gross value of him block.

Blocks one and two, being exposed on three sides are considered to be sufficiently wall proven as to class as oregin sight feady.

to stops. Block No. 3, lying west of the shaft and extending from level No. 3 to upper limit of block No. 1, while it is exposed on two sides and cut through near its center, is not classed as "ers in sight" but as probable one in sight. This block is \$20 feet high and estimated at 50 feet wide, and we have \$20 x 50 x 10 = 150,000 cu. ft. or 10,000 tons which valued at \$10 per ton

amounts to \$100,000. Block No. 4, lying east of the Macgregor shaft and above the 3rd, leveltie 260 feet high by an astimated width of 50 feet, giving a block of ere 860 x 50 x 10 = 130,000 cu. ft. or 10,000 tens, estimated at \$12.00 per ten, amounts to \$120,000. As this block is not exposed on at least three sides, it is classed as ore probably in sight.

Recupitulating the Foregoing estimates we have,

Ore In Sight,

Ricek No. one, 36,925 tons 0 810.00,= \$369,830.00 " two, 17,308 " 8 812.00,= 807,696.00 Totals, 54,831 " \$576,928.00

Probable Ore In Sight.

Block No. thres, 10,000 tons 0 \$10,00 = \$100,000,000 Totals, 20,000 = 20,000 = 2880,000.00

Economic Conditions.

With regard to an adequate supply of water for milling and all other requirements, the short at 500 feet depth will probably average the year round about 13,000 gallons in 24 hours and there was a constant increase in the flow between the 3rd. and 4th. levels which justifies the expectation that a considerable addition to the present flow will be developed when the shaft is deepened. On the Maggregor claim No. 8 water comes to the surface under conditions that indicate a considerable flow upon development; and on the Monterey Extension claim during a portion of the year, varying from 6 to 8 months, sufficient water to fill a 3 inch pipe comes to the surface over a rim-rock in a narrow place in the canon it sufficient elevation to admit of its being conducted to the collar of the Flagstaff shaft. This water is from a separate source from that supplying the flow in the shaft. Should a greater amount of water be required for the treatment of a larger production of ore an unlimited supply may be obtained by gring to the Colorado River 6 miles distant ever a smooth of grade following the bad of Pldorade Sanon.

No timber grows in this region, but an abundance of wood for domestic purposes is assured for \$10.00 per cord delivered in

Camp, being taken from the Colorado Piver during flood season by the Indians. For operating mines and mills, gasoline and distinities are sheep and convenient fuels where the requirements are moderate, but for larger demands California Gruds Oil, used for firing steem bullers, or in connection with Producer-Cas Plants, promises horse power at economical figures.

The altitude is somewhat under 3,000 feet, and the climate is mild and dry throughout the year so that no expensive buildings are required. The improvements now consist of the Superintendents 4 room frame house, a large boarding-house tent, bank tent, foresan's tent, cook's tent, sleeping tent for night shift, bath-house for sen, assay office, and business office, to all of which water is piped from the tanks at the collar of the shuft. At the sollar of the working shaft is the following equipment, a 6 h. p. and a 15 h. p. Fairbanks-Morse Cascline Hoist, a 25 h. p. Pair-banks-Morse Cascline Engine, a 10 x 10 inch air compressor, a drill sharpener, a 2; inch Sullivan drill; 5 air hummer drills, a supply-of both machine and hand steel, 2 forges with tools complete, 7 galvanized from water tanks, 3 skips, a quantity of rails, piping for both sumpressed air and ventilation, and sater pipe in the shaft and to all the buildings in Camp.

Freight from Searchlight new costs \$10.00 per ton which may be reduced under improved conditions respiting from new roads new building and increased traffic. The nearest Smelter is that or the United States Smelting, Refining & Mining Company at Needles, California. Bailway freight from Searchlight to that point on one in ear lets varies from \$1.10 to \$6.00 per ton, the charge being based on the grade of the ore. On account of its favorable situation within 6 miles of the Colorade River and the excellent natural read down Eldorade Sason to its mouth, which is but 80 miles above Readles it would seem that Flagstaff ore should be floated down the Piver at a very considerable saving over the cost of the much longer and more expensive magon and rail haul via of Searchlight and the Bail Road.

The Sump may be reached via The San Pedro, Los Angoles and Salt Take Rail Road, leaving the train at Nipton, California, where Automobiles from Searchlight meet all trains. A Stage, daily except Sunday, leaves Scarchlight for Melson, one and one half miles east of the Gamp, and upon arrangement the driver will bring passengers through. One coming by the Santa Fe' Route would leave the main line at Coffs, California and proceed by a branch road, daily except Suday, to Searchlight where both routes connect with the Melson Stage. Automobiles bring passengers to welson by arrangement. A telephone line connecting Searchlight and the mines in the surrounding region passes through Camp.

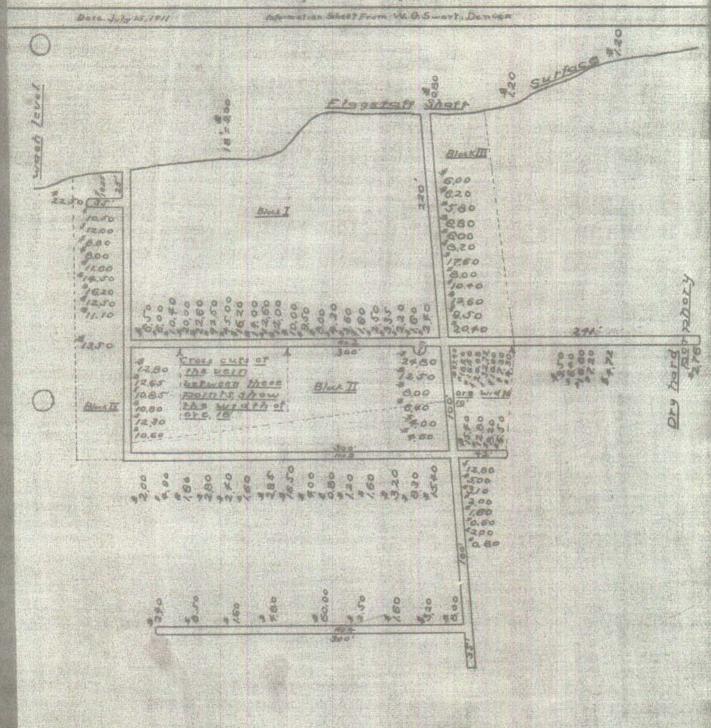
Conglusion.

The foregoing facts, which may be easily verified, shiestantially correctorate the claims made by the easily verified, shiestantiposed ready to stops, 40,000 tens of ore of an average value of \$12,00 per ton. The apparent disgrepancy between the above statement and the estimate of 54,831 tens worth \$576,986 is due to the inclusion in the latter of certain portions of the vein which, while having a tendency to lower the general average value below \$12.00 per ton, carry values sufficiently high to pay a good profit on a large tennage. To attempt to grade the one up to \$12.00 per ten at the expanse of low grade ore that will pay a satisfactory profit will be wasteful extravegames.

The Flagstaff Group presents all of the essentials for the development of a large mining enterprise, vipis large acreage in a proven district where entirely similar voins have yielded large returns under crude and wasteful methods now dissarded; several thousand foet of veins outerspping, which in numerous places show pay ore at the surface; a partially developed mine with more than half a million dollars sorth of ore ready to stope; with an ample water supply, and facilities for operating under the most favorable conditions. The geologic conditions are favorable for permanent and deep mining, since the mineralization occurs in an eruptive andesite dike that has some up from the depths and the unusual length and width of the outersp indicates a strong and

persistant fiscure likely to continue and carry its mineralization to great depth. The break in the ore on the lower levels is no doubt but temporary and probably not a serious matter, such conditions are of frequent occurrance in cruptive areas; the fault showing in the outcrop of the vein sufficiently accounts for the mixup under ground and affords a key to its solution. The ore should yield readily to concentration, the rich sulphides will separate freely from the gangue which centains no Baryta or other objectionable material that would require a complicated method of treatment. The most practical method of working the property is to sreat a concentrating mill at the collar of the main shart where there is an ideal site that will require very little extra expense for excavations, read making, &c. A complete up-to-date plant consisting essentially of crushers, rolls, pulverizing mills, and concentrating tables, having a daily capacity of 100 tons, can probably be erected for \$50,000, and for such a production the mine equipment will have to be replaced by a heavier hoist and compressor, and additional machine drills, cars, &c. which may call for \$25,000 more. With such a plant in operation, allowing liberally for mining and milling costs, including lesses in treatment and marketing of concentrates, there should be a profit of \$500.00 per day, and the mill should be kept busy for 542 days on the ore now ready to stope. In addition to the Plagetaff vein there are several parallel veins, before described, which have several important cre-shoots showing on the surface that would be considered promising prosperts in any mining region, that add largely to the prospective value of this property. Respectfully aubmitted, White Hills, Arizona, September 13th., 1910.

Nevada - Eldorado Mines Company, Nelson, Clark Co., Nevada.



O widths from 5' to 20'; Average width to

	Nevada-Elderado Mines Company. Nelain, Clarke, Mexada. Description	
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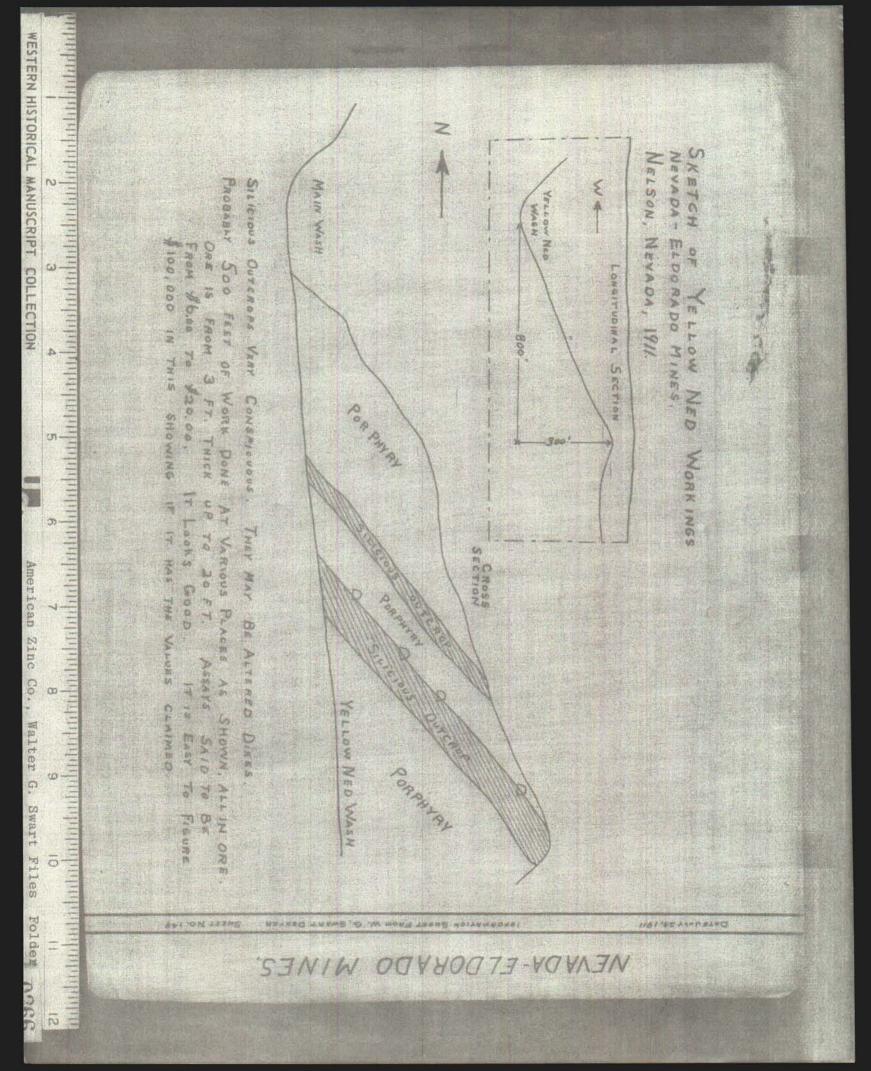
译 BETADA ELDEBADO ETURO DOMPANY. TO THE REPORT OF THE PERSON OF Or the fifth of June, 1911, I reached Nedson, Beyond for the surnase of looking over the Victor-Queen Bee property, owned by d. A. Billis, on which you have information sheets. A few days before in Lew Angeles, G. E. Finney showed me a report, by the owner, on the levads-Eddorate. . Finney call that even if we were not in-Confidence Food and bear who reads know all about the Ellis and other properties and would be the best pessible man to see. This I found to be true. Buncan was formerly memaner of the several cappling works operated by the Boston & Coloreds Smelving Company, at various Colorado, points. He has also been in charge of several mining assistions for the Guagonheims, sto. His close and accurate invalidate saved me a great deal of time. I could find nothing worth touching in the Victor-Queen See. but I did find three properties in Eldoredo Camon, close together, with considerable ore blocked out, which look much more like mines than envining I have seen for a year. These three are, in order of importance; 1 The Neveds-Eldorade (Placeteff) 3-The San Juan Group (Berguen) I am attaching bereto a report on the Nevada-Eldorado by O. B. Amsden, and engineer whom I do not know personally, but about whom I have made extensive inquiry, finding his represtion good. To most of the report I am willing to earse, so far as I can do so without baving taken any shaples myself. There are however some things that I look at in a different light and as they are important I will refer to them. On page two of his attached report he says the veins dip to the north. There are two well defined sets of veins here, The smaller "spar" veins like the Tachatticap, hover and Grown dip to the Sunth. The larger lower goals veins like the Plant stair aid to the sorth. An ideal rose section throt this part of the district would look something like this.

Sheet No. 2. HEALD VEINS DIPPING TO SOUTH ARE NARROW PERSISTENT AND HIGH GRADE WITH SPAR THOSE DIPPING TO NORTH ARE MUCH WIDER, GUARTS VEINS LOWER GRADE: PERSISTENCY DAKADWA. արտ իրգ Էրդույիություրը իրգին վերարարի այդ արարարարի արարարարի անձանարի անձանարի անձանարի անձանարի անձանարի ան

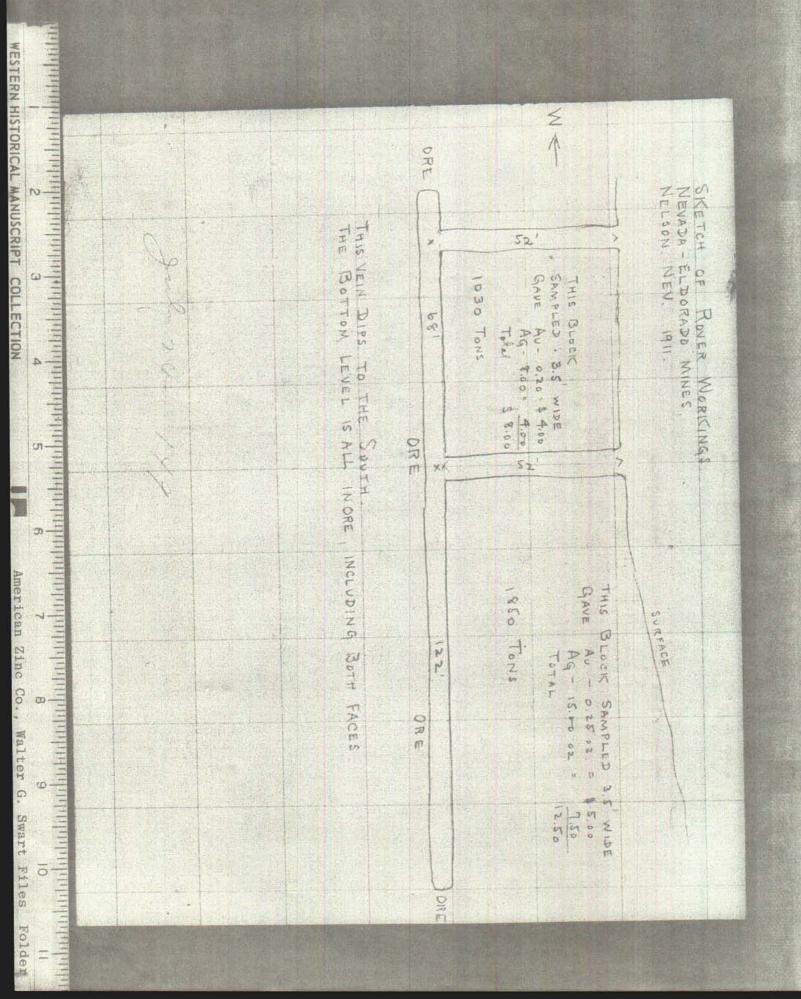
BEVALUE ROADS DO WINES DOWN SERVE PRISON, GLARO COUNTY PRISON. JOY JOY PARE 198 .. INCOMMENDER SHORT PROPERTY OF SHARE DENIES .. SHORT HOTELS Bleet No. S. The description of this (as Ver effection is now year year to be a supply to the second of the secon The Plantage is in my opinion not a vein proper, in the meane That the Royan and Rechartstone are value, with two well decined walle. The Large North Gioming Teles Like the Fingstaff have but one release the company to the second of the company of varying distanced of the hanging will of this crevice. or play con with septh, is proven by the Section mornings chose by RESON FO SAWE to VEO TEST, and are still a good of the value are not at all like trose at abyolite, and lisment benede which bottomed at 20% to 200 feet but carrying submindes of less which and copper as they do had lying in althorag ambagite and lightly, as they do, they may be expected to persist to a considerable depth. In other words taking both the vein system and the ore character into account. I do not believe this mine has been bottomed, but that the Planstoff will still be in commercial gold ore at 1000 feet. This is for the future however. Coming down to the present showing there is a good mine already in sight, regardless of dorth. The upper 250 fact of the mine shows ore ten feet wide by 300 feet long by 180 feet high, assaying better than \$10.00 gold and silver. One and of this 500 root shoot is still in the same sort of ore. There are plenty of indications that there are three other similar shoots on the property and possibly mere. These are not well developed but all show some ore; and indicate a long ore some wide enough to make it well worth saing after, even if only 200 feet deep. I have been over the mine maps and assays, and you will find two sampling plans attached. one showing a value of about \$12.00 per ton, for a width of ten feet, the other \$15.00 per ten for a winth of 9 feet. If these askays can be checked, and I believe tony can, then there is from 40,000 to 50,030 tens of \$12.50 ere profit well blocked out that can be mined for \$1.75 and overided for \$2.55. Lawing in an 80% recovery a margin of \$6.50 per ten on a net value for the procesty of \$200 000.00 to \$275 000.00 - Bo account is taken of dre in might at other passes on the property. Of which there is deposite that a cher passes on the property. If which there is deposite to be more than enough maions in the ere to pay for sensativation eigher before or after evaniding. . . . the other band, no appoint is taken of cour of equipmes the property whileh would be committeenbly.

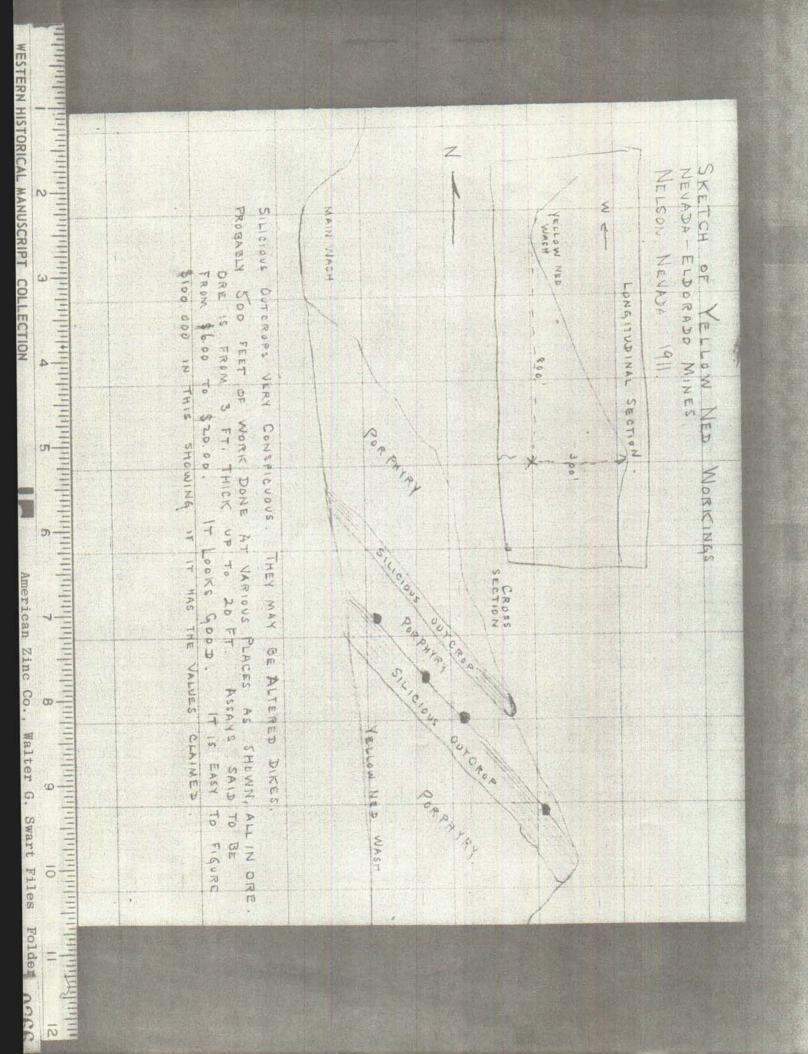
DATE BELT DENNE LESS DESCRIPTION SARES CHOICE W. B. BREAT, DENVEN. SHEET NO 140 Sheet Bo. 4. Duncan get a few of his Delorate friends to so in with him to develop this mine to sell. They have put their orn money in end have put a lot of good ore in saget. They are now remay to sell. They are \$500,000.00 for the property. They want 105 down after examination belongs on respectable terms. I seem a good deal of time with Dunosp, and have sounded his Colorse partners. I am pretty wall satisfied that the property can be bought for less than \$200,000.00 if a thorough and partner of course it will, and if the deal is handled right. I am pertain of this because Duncan told me he could get better terms for us if we would take some of his personal about holdings. His backers all have regular incomes. Dancen has to depend on this property, hance is the man needing money the most. By fixing him up we can get what we want from the others. It might even be possible to come in for a controlling interest, allowing the present owners to stay in if they desire. Duncan is the largest single stockholder, but is sick of the Resert. To has a wife and three children living at the mine with him. The children ought to be in school and ir better surroundings, and he will do almost anything to gain this. Dundan is a mighty fine Islow about 50 years old, well educated, experienced clear headed and reasonable, and when the time comes for making a real deal, can be counted on to be fair and plean. This property has been presented to A. P. Anderson and S. W. Abuda, both of whom had it looked over in a preliminary way. Both objected to the price but Enda's letter is a very open bid for further negotiations. At that time Duncan offered only the Flagstaff group at the \$500,000.00 pyles. He now offers the Tellow Ned and other claims as shown on the claim map, in edition with no raise in price. This includes several claims recently purchased from the Waarton Matate for some \$50,000.00 to protect apex and water rights. in have taken considerable pine in going over these maps. reports, calculations, etc., and in looking up Dunesus partners. I believe there is a big mine here, with the price well in sight and with a decidedly promising future. I will recommend to you that arrangements be made to eramine at once. If it stands up it is the mine we are looking for. I would prefer McDaniel to Disbrow for this piece of work, and as Moderded wires me he is to be in Jean, Marada, thirty miles from Welsen, this week I here arrangements can be made for immediate action. Kindly let me know by wine if interested, as I must notify Mr. Dunden that we williament the option to examine which he promised to give ma when ready. <u>ան արդարդարական արդարական անակարի արարդարի արդարդարի արդական արդակարի արդական արդական արդական արդարդարի արդակա</u>

DEVADA BIRGRADO MIRES DORTANELS TO BREADLY DEARY COURTS INVEST. The property of the state of th Bheat her S. I am emporeing copies of thetoken frommy neto book chapters remous modier of probable one was conjucted in the mile severate, stol Birthey report will its les abortivit in two courses promps our tours of the course of Tours very braly. WELL SWART



արարարդությունությությունությությունությությունությությունությունությունությունությունությունությունությունությու WESTERN HISTORICAL MANUSCRIPT COLLECTION ORE SKETCH OF ROVER WORKINGS NEVADA - ELDORADO MINES NELSON, NEV. 1911. THIS VEIN DIPS TO THE SOUTH ORE INCLUDING BOTH FACES 52-Gave Au- 0.20 4 400 AG- 8,00- 400 SAMPLED 3.5 WIDE 1030 TONS THIS BLOCK 68 -Total y 8.00 ORE SANK E THIS BLOCK SAMPLED 3.5 WIDE 850 TONS SURFACE American Zinc Co., Walter G. 122 Au AG - 15.00 02 -TOTAL 0.25 02 - \$ 5.00 ORE \$ 12.50 Swart Files HALL AND THING INFORMATION SHEET FROM W. G. ANT YON LESHS Folder NENY DY- ELDORADO MINES.





WESTERN HISTORICAL MANUSCRIPT COLLECTION American Zinc Co., Walter G. Swart Files Folder N

NENY DY-ETDONY DO WINES

NEVADA - ELDORADO MINES

NELSON NEVADA, 1911

Sither Callo and Cana

Denver, Colo . August 18th, 1911.

Mr. Edward A. Clark,

Boston.

Dear Mr. Clark :-

I have a letter from McDaniel to-day giving his impressions of the Duncan property in Elderade Canen, which Disbrow is now examining. MoDaniel thinks the examination is going to show about \$150,000 met in sight in the main workings, with good chance for more ore laterally. McDaniel got down into the bottom of the mine, which I could not do, and says there is not much down there. Dungan told me this was so, and I wrote it to you, stating however, that as the geology looked, and as I drew it for you, there was a strong change that this ore was not bottomed, but had simply been displaced. In any event, it is not there, which makes the bottom of the mine a development game pure and simple. MacDeniel thinks, as I did, that the Bergman property is a pretty game, but too small to take over alone. If we can make a deal with Duncan, then we will want the Bergman property also. Disbrow's assays will shortly tell the tale. I have every reason to believe that when results are out, we will be able to make a very reasonable deal with Duncan, which was my idea from the start. This I have alweady written you. I am hoping the assays check up well, for if they do this will be a game worth keeping after.

Yours Very Truly,

Copy to A.F.H.

W. G. SWARE

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STATEMENT

On the Physical Conditions and Values at the Flagstaff Mine of the Nevada Eldorado Mining Company located in Clark County Nevada, near Duncan, N.E. of Searchlight about 24 miles.

W.F.Disbrow. Aug 27 '11

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VALUE OF THE ORE.

Values in East 200 Foot Level within Limits of Blocks.

Numbers of the Samples Combined	Their Total	Their Average Value	Foot Dollars		
22A,22B	8.0	\$ 9.24	74.00		
21A	5.0	7.30	36.50		
20B	5.0	10.20	51.00		
19B	5.5	5.60	30.80		
17A,16A,16B	20.0	13.50	270.85		
15A, 15B, 15C, 15D	15.5	18.20	282.00		
11A,110	8.5	24.10	204.80		
9A,9B	8.5	5.95	50.75		
Average	9.5	\$13.00	1000.00		
27A,27B	6.5	19.40	126.00		
28A	3.0	6.45	19.35		
29A	3.5	9.55	33.42		
30A, 30B	8.0	5,20	41.60		
32	5.0	7.40	37.00		
33	7.0	9.05	63.35		
Average	5.5	\$ 9.70	320.72		
Values in Mc Gr	egor Shaft with	in Limits of Block	s.		
24	5.50	4.40	24.20		
25	4.2	4.10	17.22		
26	3.0	11.50	34.50		

Note; -Gold figured 0 \$20.00 per oz and Silver 0 50¢ per oz. Mote; -All other samples taken are below cost of production which is estimated at \$4.50 per ton.

Value per ton of Block "A"; "In Sight";

Average

Taken as the value of "East 200 Ft.Level within Limits of Blocks" Average width 9.5 feet.Average Value \$13.00

\$ 6.00

Note: The Mc Gregor Shaft should be sampled for the other side of this block, but owing to obstacles, and its irregularity, such samples would be unsatisfactory. Therefore the term "In Sight" should here be taken with much reservation.

Value per ton of Block "A", "Probable";

Taken as the value of Block "A" "In Sight; and given the same width. Note; -This is also an extremely doubtful proceeding.

VALUE OF THE ORE Value per ton of Block "B" "In Sight"

Taken as the average of "Values in East 200 Ft. Level within *Limits of Blocks" and the "Values in Mc Gregor Shaft within Limits of Blocks"

> Sum of Widths in Avge Value Mc Gregor Sh. Mc G.Sh. 12.70

\$6.00

Ft. \$McG. Sh.

75.22

Averaging these with each sample on "East 200 Ft. Level within Limits of Blocks"

McG.sh Slice 1 Avg.	8.0ft 12.7 20.7	\$ 9.24 6.00 7.25	74.00 25.92 149.92
McG.sh. Slice 2 Avg.	5.0 12.7 17.70	47.30 6.00 6.35	36.50 75.92 112.42
20 B	5.0	10.20	51.00
McG.Sh.	12.7	6.00	75.92
Slice 3 Avg.	17.70	7.15	126.92
19.B	5.5	5.6	30.80
McG.Sh.	12.7	6.0	75.93
Slice & Avg.	18.20	5.85	106.72
17A,16A,16B	20.0	13.50	270.85
McG.sh.	12.7	6.0	75.92
Slice 5 Avg.	32.70	10.60	346.77
15A,B,C,D,	15.5	18.20	282.00
McG,Sh,	12.7	6.0	75.92
Slice 6	88.2	12.70	357.92
11A,11C	8.5	24.10	204.80
McG.Sh.	12.7	6.0	75.92
Slice 7	21.2	13.20	280.72
McG.sh, Slice 8	8.5 12.7 21.2	5.95 6.0 5.95	50.75 75.82 126.67

VALUE OF THE ORE.

(Continued)

Value per ton of Block "B"In Sight"(Continued)

The average width of each slice is the width of the sample on the 200 Level averaged with the 3 Mc Gregor Shaft samples.

Slice	Av Width	Av Value. \$ 7.85	Ft \$ 37.8
2	17.70	6.35	28.1
3	17.70	7.15	31.6
4	18.20	5.85	26.6
5	32.70	10.60	86.6
6	28.20	12.70	88.5
7	21.20	13.20	70.0
8	21.20	5.95	31.6
Avge of E	lock 5.5 ft.	\$ 9.20	401.8

Value per ton of Block "B" "Probable"

Taken as the value of Block "B" "In Sight" Note; -This is optimistic.

Value per ton of Block "C"Possible"

On account of lagging, and on account of the fact that the vein is not cut by entire Shaft it seems advisable to neglect low grade samples 40 and 41 in the Shaft-as the ore must go somewhere -, and to use "Values in West 200 Ft.Level within Limits of Blocks", making due allowance for waste in figuring tonnage. Average width 5.5 feet, average value \$9.70

Valua per ton of Block "D" "Probable"

Taken the same as Block "O""Possible.

Value of Undeveloped Ground

Is purely speculative as will be seen upon consulting maps.

TONNAGE OF ORE.

Block	Gross Tons Rock	Esta # over \$4.50 per Ton	Net Tens Ore.
"A" In Sight	4930	64	3150
"A" Probable	4930	64	3150
"B" In Sight	1900	61	1160
Probable	1900	61	1160
Possible	3800	50	1900
Probable	1270	60	760

SUMMARY OF TONNAGE AND VALUES.

Ore In Sight;	Block	Tons	Gross Val	GrossVal less wkg cost\$4.5	Net Profit Total:
	uBu uVn	3150 1160	\$13.00 9.20	\$8.50 4.70	\$26,775.00 5,450.00 \$32,225.00
Probable Ore;	aDu aBu aYa	3150 1160 760	\$13.00 9.20 9.70	\$8.50 4.70 5.20	\$26,775.00 5,450.00 3,950.00 \$36,175.00
Possible Ore;	"G"	1900	9.70	5.20	\$ 9.880.00 \$ 9,880.00

RESUME.

	Tons	Net per Ton	Net Profit.
ore In Sight	4310	\$ 7.50	\$32,225.00
Probable Ore	5070	7.10	\$36,175.00
Possible Ore	11900	5.20	\$ 9,880.00

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LIST OF SAMPLES SHOWING ASSAY AND VALUE.

Sample No.		Oz.Silver	Total Value(See Note)
5A 5B 50 50 50 50	.02 .03 tr .04 .08	.3 .3 .2 1.6 .4	.55 .55 .10 1.60 .60
7A 7B	.03	1.3	.80 1.25
BA 8B	.02	.5 .8	.65 .80
9A 9B	.19	1.80	4.70 7.40
10A 10B	.10	1.30	2.65 4.15
11A 11B 110 11D	.20 .10 1.04 .12	1.60 .5 33.6 2.0	4.80 3.25 37.60 3.40
15A 15B 150 15D	.23 .27 .44 1.14	1.6 30.1 10.1 31.1	5.40 15.45 13.85 33.35
16A 16BE	.64 .51	13.3	17.45 15.90
17A	.31	4.9	8.65
18A 18B	.03 .08	1.80	1,005 2,50
19A 19B	.09	2.3 3.2	2.95 5.60
20A 20B	.06 .18	1.7	2.05 10.30
21A 21B	.18 .04	7.4 .8	7.30
22A 22B	.30	14.3	13.15
23	.04	1.40	1.50

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LIST OF SAMPLES SHOWING ASSAY AND VALUE.
(Continued)

Samole No.	Oz.Gold.	Oz.Silver.	Total Value.
24A 24B	.04	3.3 6.8	2.45 6.40
25	.12	3.40	4.10
26	.31	10.6	11.50
27A 27B	.28 .48	11.1 30.2	11.15 24.70
28A 28B	-16 -10	6.5	6.45 3.35
29A 29B	.32	6.3 3.5	9.55 4.15
30A 30B	.19 .18	2.5 3.40	5.05 5.30
31A 31B	.07	.6	1.70
32	.30	2.8	7,40
33	.26	7.7	9.05
34A 34B	•14 •02	3.6	4.60
35	tr	-4	.20
36	tr	-4	.20
37	tr	.3	.15
38	tr	.3	•15
39	.02	1.8	1.30
40	.01		•30

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LIST OF SAMPLES SHOWING ASSAY AND VALUE (Continued)

Sample No.	Oz Gold.	Oz.Silver	Total Value.
41	.02	.4	.60
42	.11	.9	2.65
43	.14	2.8	4.20
44	.07	.6	1.70
45	. U4	.4	1.00
46AA 46B 46C	.01 .01 .04	.9 .9 2.2	.65 .65 2.90
47A 47B 470	•04 •10 •05	.3 3.3 .8	.95 3.65 1.40

NOTE; -

Gold value calculated at \$20.00 per 0z., and silver at 50 ¢ per oz.

The property of the property o

PHYSICAL CONDITIONS;

The Eldorado Canon District in general consists of a series of flows of porphry which have been tilted and din to the northeast at an angle of roughly 35 degrees. The Plagstaff vein coincides in dip with one of these tilted flows but the character of the rock in the vein differs from that of the foot and hanging wall countries. The hanging wall portion is a rather soft blocky porphry, dark in color and very fine grained. The hanging wall itself is not defined. In fact there is nothing that could properly be called a hanging wall. The vein rock is a gray colored porphry having a quartz ground mass with phenocrysts of both orthoclase and plagioclase feldspars. It has been called a quartz monzonite. The foot wall is well defined and has a gouge indicating a slip along the flow beds. The foot wall country rock is a breccia ofconsiderable thickness and contains both rounded and angular frag ments, indicating that it is in itself a breccia which has been further affected by the slip clong the foot wall.

EXTENTIOF THE VEIN ;

Going/along the West 200 Foot Level there is a noint where the values are diminishing. No reason is found for this as conditions on the surface are not indicative of any change in the formation, nor is any such change shown in the level itself.

Going east along the East 200 Foot Level from the Shaft a zone of low grade ore is encountered which is shown on maps. After massing this zone the values are good to the Mc Gregor shaft.

Passing down the Mc Gregor Shaft, a minch is encountered at the ton of the vertical portion above the 300 Level

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as shown on maps. At this point a fault is near and the argument has been advanced by the owners that this winch is due to the fault. Very good. Let us go west along the 300 foot level from the bottom of the McGregor Shaft and get away from this fault and its influence. The vein has not widened out any. The foot wall is there and calcite stringers are seen. It is undoubtedly the vein. The values are not even claimed to be good. We are just as far away from the fault as in portions of the 200 East where the values are good. Something has happened to the vein in a horizontal direction, as neither the 300 or the 400 foot levels are claimed to be worth stoping.

The conditions in the shaft with respect to the vein are shown on cross sections accompaning. It is only fair to state that the owners claim that grab samples and cuts from the roof of the shaft assay well at times and that there are indications that there may be an ore body above the 200 foot level where the shaft has left the vein. This cannot be said, however of the shaft below the 200 foot level. It is in the vein part of the way and in part of the vein all the way down to the 300 level, and the values are poor. The foot wall was encountered in a small cross cut driven 24 feet above the 300 level. The values are discouraging.

ENRICHMENT OF THE VEIN:

Many channels are afforded by the numerous cross fractures in the norphry, for the downward descent of surface waters. Evidence is not wanting that such waters have dissolved, by means of some of their contents the sulphides above the 200 foot

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level. It is a very reasonable proposition that redeposition has occurred at or near the 200 Level. If no other evidence of this were present it would be inferred because of the fact that this is the zone where the best values appear and that no workable values occur below it. At any rate, it seems to be the practical thing to assume in this case. Certainly we cannot assume that after two poor levels below the 200 something is going to happen to make more ore below the 400, although such might be the case.

THE FAULT ON THE EAST END OF 300 LEVEL AND THE EAST EXTENSION OF VEIN;

About 4000 feet from the main shaft about S 60 E are the Yellow Ned workings. These are claimed to be the extension of the main ledge and a shaft in the wash shows values but is now under water. This latter is also on this strike. Without going into detail it can be said that at least the Yellow Ned does not exhibit the same vein characteristics as the Flagstaff, and with regard to the outcrop near the shaft in the wash it is robably an entirely different contact than that of the Flagstaff vein.

The Flagstaff vein is undoubtedly faulted and if such is the case it is naturally probable that is displaced from its regular strike and not that it has been faulted back again somewhere in the middle of the wash in order to make it line up with the shaft in the wash and the Yellow Ned Workings.

A familing to the N.E. is seen on the surface where the fault on the 300 level should outcrop. Such a fault would make the Rambler vein a continuation of the Flagstaff. but as there so many veins in the country around Elderado Canon, it was considered better to take the Flagstaff main workings as a type of this deposit rather than doing much surface work on its extensions

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as this would be unsatisfactory and uncertain owing to the lack of workings on any of the possible extensions of the Flagstaff vein.

OTHER VEINS:

It should be understood that there are/two distinct types of ore deposit to be seen in this district. One dips with the flow beds of the porphry. This is characteristic of the Rambler and Flagstaff weins.

The other deposit is distinguished by the fact that it cuts through the flow beds and has a nearly vertical dip. Such veins are the Techstticup and Savage, Rover and others.

The veins of the latter class have furnished the producers of the District.

THE DISTRICT IN GENERAL COSTS AND CONDITIONS

For these data reference is made to a report by Walter Brown E.M. of Searchlight on the Eldorade Crown which is elaborate and accurate and refers to the above. This report is forwarded herewith.

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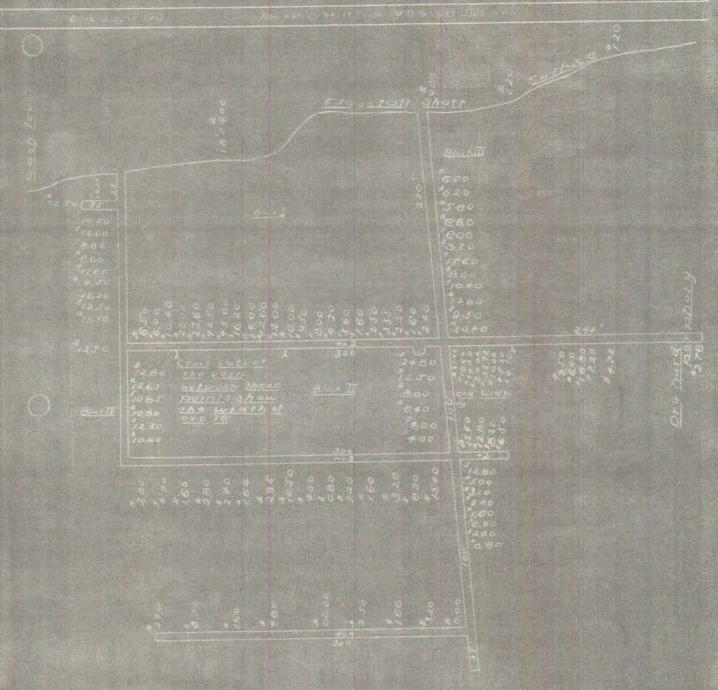
file G. A. DUNCAN, MINING ENGINEER Nelson, Nevada, September 9th, 1911. Mr W. O. Swart, 1118 Foster Building Denver, Colorado. Dear Mr Swart :-Your letter of September 7th has just reached me, and, naturally, I am not elated. The portion of your letter which says you will go over the matter with Disbrow as soon as opportunity offers , and perhaps make me an offer for the property, certainly hear from you again in the case, pleases and interests me , and I shall anxiously await the coming of that letter. In estimating the worth of the property, I think some value should be credited to the Yellow Ned group, the The Rover Group, and the four claims that lie between, and extend the holding along the main fracture of this section more than 3000' . I appreciate the frankness and kindness of this letter from you, and I hope you will, as soon as possible, tell me the best price you are willing to pay for this property. With sincere regards, I am Very truly yours, JADimen. ուցում Հում որ հուրդուրդություն արդարարդության արդարդության հուրդուրդության որ հուրդության արդարդությունը և բա

Rover Red Rompled width of 3'6". Nevada-Aldonado Mario.

Melson Mel

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ASSAV PLAN QUEEN MAINY TUNNEL ELBORADO MINING DISTRICT CLARK COUNTY, NEVADA SCALE, 1 In = 10 Ft.

LEGEND

grerage offer thanks

Are age, 7"4 ; 1060

A - SPAR

B - QUARTZ

C - QUARTE AND SPAR

E - MASTE

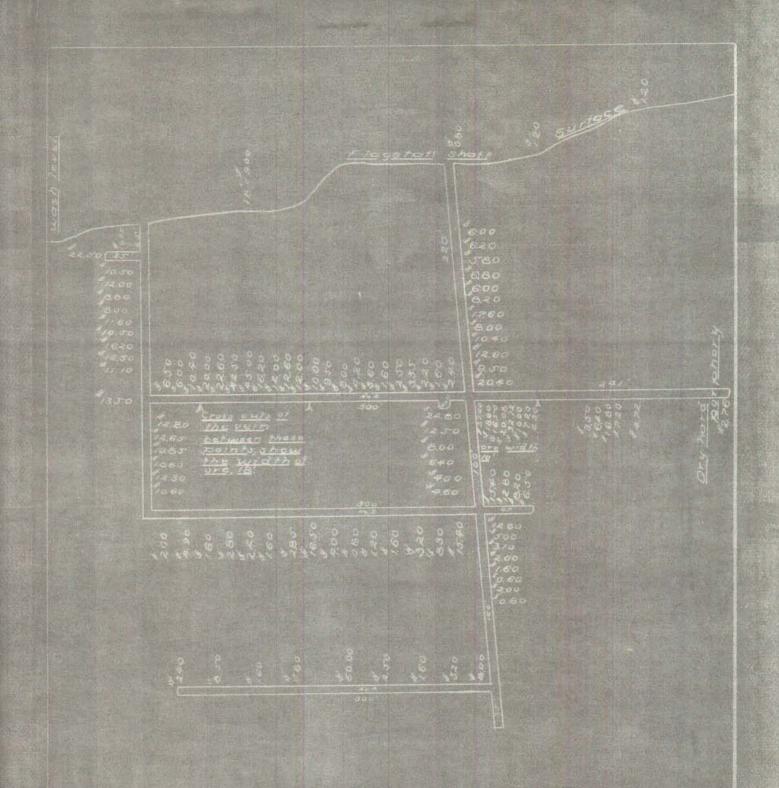
A = *24 A55AV TUNNEL DISTRICT NEVADA 10 Ft PADO MINING PK COUNTY, SCALE, IIN Orer age Offer Manga LEGEND SPAR

QUARTZ

QUARTZ AND SPAR

QUARTZ AND MAST

MASTE



Assay sheet of openings in Flagstaff vein covering ore widths from 6' 10 20; Average width 10' Scale 1'-60'

The family \vec{r} 200 Avery 1 0 200 100

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Nevada

NEVADA-ELDORADO MINES

SKETCH OF ROVER WORKINGS NEVADA - ELDORADO MINES NELSON, NEV 1911

Folder American Zinc Co., Walter G. Swart Files Nevada

WESTERN HISTORICAL MANUSCRIPT COLLECTION

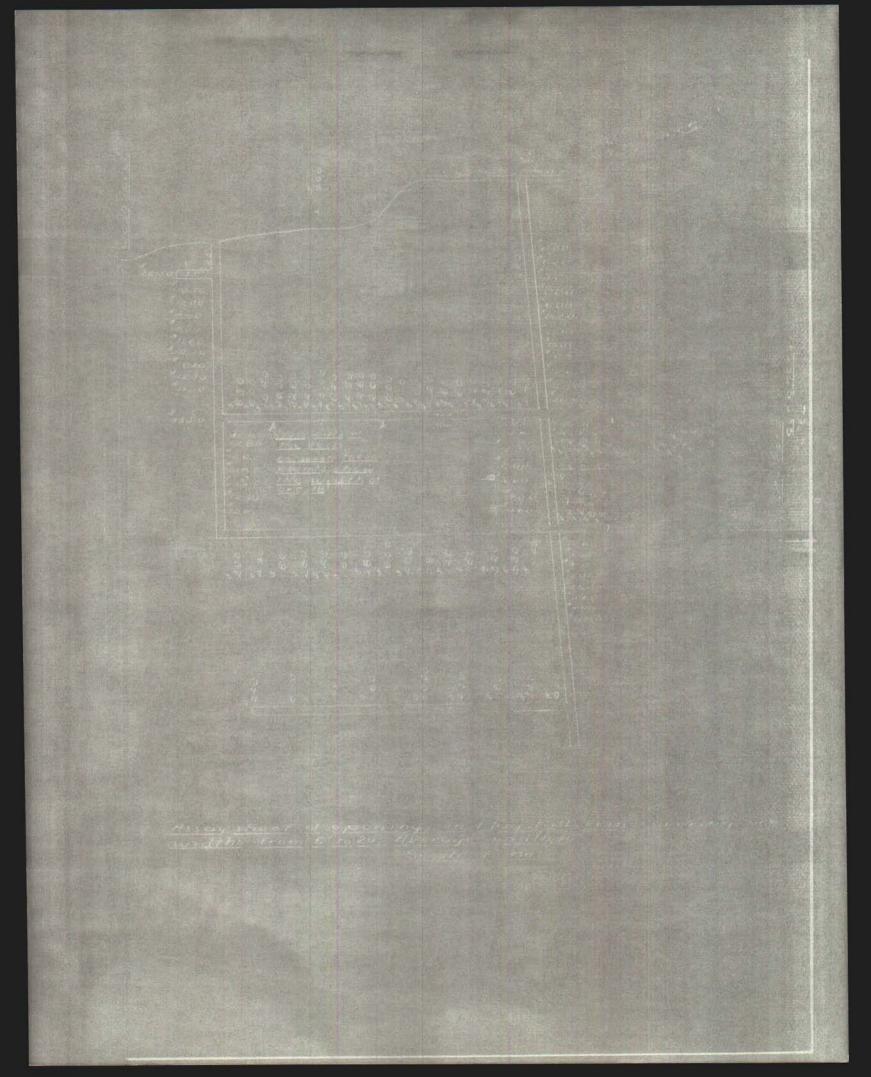
MAIN SHAFT.

From records while sinking im foot wall from surface to level at 200'

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25' down, 4' cut into vein above shaft. Au $2.40-Ag $3.00-$5.40
50' down, 1021 10' upraise into vein showed Au$2.80-Ag3.30----6.10
110' " pieces chipped from roof of shaft, the bottom of the vein
                                              Au$10.00-Ag$9.10-19.10
135' " drill-hole put up 2-1/2' into vein
                                             Au 5.60-Ag .50-- 6.10
1501 " chips out of bottom of vein,
                                             Au$ 5.60-Ag$9.76--15.36
185' " 1' of gray rock next above foot wall Au$ 1.60-Ag$1.95-- 3.55
185' " chips cut from quartz just above the l'Au$29.60-Ag$13.65-23.25
190' " chips cut from quartz, roof of shaft,
                                              Au3 1.60-Ag325.34-26.94
        Lost gold by spitting in parting cup.
2001 " 600 lbs sample taken from cars and
         quartered down, when breaking from shaft
         westward in commencing west drift.
                                             Au$13.20-Ag$36.40-49.60
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Main Shaft, below 200

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14' below 200, sample from cars excluding what high grade I saw
                                                   Au$ 2.40-Ag$ 2.60- 5.00
          " face at bottom,
181
                                                  Au$ 4.20-Ag$ 4.30- 8.50
303
                                                  Aud 1.60-Ag$ 1.30- 2.90
          11
               n
341
                                                  Au$ 1.20-Ag$ 5.95- 7.15
361
    11
               三
                                                  Aus 1.60-Ags 3.25- 4.85
    H
701
                                                   Au$ 1.60-Ag$ 2.60- 4.20
           " got a sample of one foot of top of
             the vein proper, which is below the
             shaft, below the 200' level
                                                  Au$12.00-Ag$56.55-68.55
           " From same place, small pieces of
             zinc separated,
                                                  Au$ 4.00-Ag$ 1.95- 5.95
            " bottom of shaft, more of vein now
             showing in shaft,
                                                  Au$ 9.60-Ag$ 6.40-16.00
            bottom of shaft,
                                                  Au$ 6.40-Ag$ 9.15-15.55
           " all the material broken by round
             was quartered down, after being
              broken up for sampling,
                                                  Au$ 3.20-Ag$ 5.20- 8.40
981
            " all the material broken by round
                                                  Au$ 4.00-Ag$ 4.55- 8.55
1001 "
            " when cutting station at 300',
              samoles taken from all cars
                                                  Au$ 4.00-Ag$ 5.20- 9.20
At starting of #3 east, the 6' from hanging
                            wall down,
                                                  Au$ 4.40-Ag$11.10-15.50
At starting of #3 west, 6' sample,
                                                  Au$ 4.80-Ag$ 9.75-14.55
The 4' next below the above 6' taken at #3 west Au$ 3.20-Ag$ 7.15-10,35
#3 west, just west of the exposure of foot wall
#3 west, 12' in from shaft, face 5' sample
#3 west, about 202 20' in from shaft, face 6'
                                                  Au$ 2.40-Ag$ 3.20- 5.60
                                                  Au$ 1.60-Ag$ 4.40- 6.00
                                                  Au$ 1.60-Ag$ 5.50- 7.10
#3 west, about 30' from shaft, face 6'
                                                  Au$ 1.60-Ag$ 3.40- 5.00
#3 west, near present face, before last round, #3 EAST, samples from towards foot wall in cross
                                                  Au$ 2.80-Ag$ 3.00- 5.80
                                                  Au$ 3.60-Ag$ 4.00- 7.60
         cut near shaft,
#3 east, about 12' in from shaft, face of drift,
         the lower 41 showing in face,
                                                 Au$ .80-Ag$ 1.40- 2.20
                                                 Au$ 2.40-Ag$ 4.54- 6.94
         The 3' showing above the 4',
                                                Au$ 2.40-Ag$ 5.83- 8.23
#3 east about 15' east of shaft,6' face,
#3 east 25' in from shaft, face sample,
                                                 Au$ 4.00-Ag$ 2.75- 6.75
#3 east 35' in from shaft, 6' face of drift,
                                               Au$ 3.20-Ag$ 3.57- 6.77
Then, going east, comes broken country, with occasional small bunchs of ore
                                               Au$49.60-Ag$162.50-212.10
pieces 1008 in from shaft assaying
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FLAGSTAFF ARAPAHOE ALAMO MACGREGOR MACGREGOR NOS YELLOW STONE MACGREGOR MACGREGOR BRONX MACGRECOR FLAGSTAFF GROUP THE NEVADA-ELDORADO MINES CO. Scale / inch = 800 Feet

Assay Sheet, 800 ft. Level, Flagetaff Shaft.

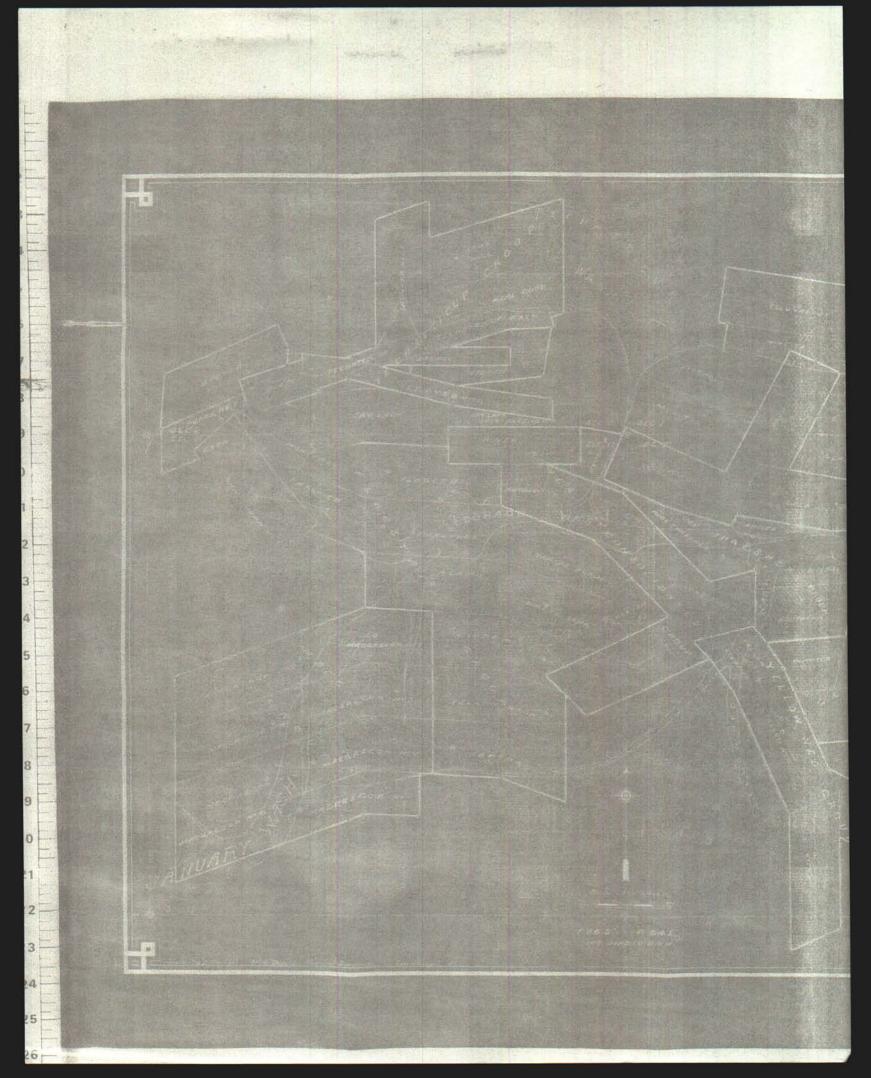
				2000	Assay Sheet, 200 ft. Lovel, Flagstaff	Shaft.		
1					May 15th, to 19th., 1910.	Gold,	Bilver,	Total
,	24,	5	ft.	ora	in Macgregor shalt at east and of 200 ft. drift, but showing lower portion of the voin not exposed in the drift			20
					near the shaft,	\$3.45,	\$8.00.	\$5.45
	#5,	7			in Mangregor shaft, the 4 feet above #4, no mulls,	0.70.	3.20.	18.92
	£6,	4	•		in 200 ft. drift, 6 ft. W. of Mac- gregor, shaft,	4.88,	0,80,	5.88
	87,	7	2.00	•	is ct. W. of Ma, no walls,	4.500	0.80.	4.38
	8,	7		¥	1) ft. W. of #7, " "	2.18,	0.80.	8,98
	29,	.7			10 ft. W. of #8, " "	8.16.	1.60,	3.76
	#10.	7.		ėv.	10 ft. W. 67 70,	8.56,	1.60,	4.16
	#11,	7	- M	***	10 ft. W. of #10. * *	3.80.	4.00.	7.20
	MIE,	7	я	*	Mi ft. W. of Fil. " "	E.56.	2.40,	4.94
	#13,		**		1 ft. W. of fig	E.44.	22404	4.84
	#14.				8 ft. W. of "D", " "	5,84,	7,80.	13.00
	#15,	1			in cross-out to south, from foot-	0.44.	11.50,	19.78
	#16.				in cress-cut to north,	36.64.	E6.4U,	43404
	#17,				face of north cross-cut, 20 feet from footwall.	1%.44,	14.40,	26.84
	mae,	10		**	east side of north cross-cut,	0.44.	10.40.	19.84
	#10,	7	orale orale	*	ft. w. of #16, no walls,	3,56,	13.60.	17.16
	#20.	17	***		" ft. ", of MiP, " "	5.08,	16.0 ,	:2.78
	#1,				1 't. W. of Ac., opposite wings and north cross-cut,	10.0A,	18.40,	20.44
	#Els	*			in winze, up footwall 5 feet,	H.06,	17.60.	5.6
	#210	•			the 5 feet above Bula in winks,	6.80,	W.00.	15.86
	Felc	•			the 7 ft. above #81b in winze,	0.75,	2.00.	2.75
	APE,	4	***	*	from footwall up and over roof,	5.60,	16.80.	22.48
	was.			Ħ	10 ft. W. of Mar, no walls,	5.70.	8.90.	13.70
	HPA,	7		*)	10 ft. W. of fes, " "	3.18.	4.80,	7,98
	#25,	8	-11	"	next footwall, in south cross-cut,	19.02.	19.20.	36.88
	206,				the 9 feet above #25,	4.74.	6.40,	11.14
	#27,	7		*	wall of wrift opposite cross-out, adding 4 feet to minth of ore,	1,98,	3.80,	5.18
	#28.	9			10 ft. W. of \$27, no walls,	1.40,	4,00,	5.40

Gold, Silver, Total \$2.02, \$7.20, \$9.22 #29, 7 ft. ore 12 ft. W. of #28, no walls, 1.50, 4.00, 5.50 " 12 ft. W. of #29, #30, 10 " 4.21, 26.40, 30.61 #31, 7 * 10 ft. W. of #30, 1.06, 1.60, 2.66 #32. 7 " 10 ft. W. of #31, 1.30, 0.40, 1,70 10ft. W. of #32, #33. opposite N. cross-cut," " 3.90. 4.00. 7,90 #34, 7 " -1.00, 2.40, 3.40 in morth cross-cut, #35 . 0.84, 2.40, 3,24 #36, 7 " 10 ft. W. of #34, 23.00, 14.40, 37.40 #37, 7 " 8 ft. W. of main shaft," " 6.88, 4.80, 11.68 9 ft. W. of #37, from Tootwall up, #38, 11 " 8.42, 3.20, 11,62 5 ft. W.of #38, no Walls, #39, 8 " THE STREET 10.88, 4.80, 15.08 5 ft. W. of #39, #40, 8 " W W 21.52. 11.20, 32.72 #41. 7 # 5 ft. W. of #40. 100 5.20, 4.00, 9.20 #42, 7 8 10 ft. w, of #41, #43, 7 " 10 ft. W. of #42, takes to cross 1 5.08, 4.80, 9.88 water course, 58 ft. W. of #43, from footwall up, #44, 6 " 1.24. 2.40. 3.64 no hanging-wall, 1.61, 1.60, 3.21 10 ft. W. of #44. #45, 6 " 8.80, 8.00, 16.80 #46, 7 " 10 ft. W. of #45, 4.89, 2.40, 7.29 #47. 7 # 10 ft. W. of #46, on bench, -1.52, 3.20, 4.72 #48. 7 W 17 ft. W. of #47, west face of drift, in andesite, #49, 1.16, 1.60, 2.76 no walls, 5.78, 4.80, 10.58 #51, 10 * * below #4 and #5, Macgregor shaft, 3.78. 4.80. 8.58 " - #51, no walls, " #52, 10 * 3.86, 5.60, 9.46 152, 0 表53, 30 3.85, 6.00, 9.65 25B, " " #54, 10 " 7.36, 5.60, 12.96 eld stope east from " " #57,

The accompanying plan, showing the 200 ft. level, together with the main shaft and the Macgregor shaft, will further explain the above series of samples. Where no walls were shown in the drift, the dip of the vein in crossing the drift, exposed 7 ft. of the vein width.

Report
Nevada-Eldonado hum &

Gr
D. B. Armeden M. E. GRican Micson Navada.



Stone and Brown Inc.

