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Item 149

REPORT  
on  
HAYWOOD MINE  
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Harold E. Sherman, E.M.



REPORT  
on the  
HAYWOOD MINE

MAIN POINTS:

The mine has produced \$2,000,000 from 60,000 tons of ore.

Now in sight 366,000 tons; value \$2,341,000 gross

\$1,520,000 net.

The vein is a fissure over 16 feet wide.

Free milling gold.

Mine is dry.

A group, eleven claims, 188 acres.

ENGINEERS:

The embodied statements are from the findings in reports of  
Edwin C. Chase of Denver, L. C. Gilliam and other  
engineers.



PROPERTY:

The eleven patented claims are shown by the annexed map; they are the

Haywood,  
Haywood No. 2,  
Santiago,  
Santiago No. 2,  
Monroe,  
Monroe, No. 2,  
San Juan  
Golden Pick,  
Andrews,  
Undine,  
Eva,

Total of 188 acres, situated in Sections 13-17, T.16, N. R. 21 E.M.D.M., Devils Gate and Chinatown Mining District, Lyon County, Nevada.

HISTORY:

The Haywood-Santiago claims were first located in the early 60s; they produced much gold specimen ore; from old bullion receipts the mines show a production of over \$2,000,000.00. Some of the mill runs the ore milled over \$100 per ton. The last run of any great tonnage was made several years ago; 19,000 tons produced \$480,000 in bullion; average of \$25.28 per ton. It is estimated the property has 60,000 tons of ore that yielded an average of \$33.33 per ton on the plates; the tailings contained \$3.50 per ton. The average gross value of the ore was \$36.83 per ton. The profits of the operation of the mine were spent by the owners at the "Bar" (liquor and legal) thus accounting for lack of machinery and deep development on the property. No other power but man's has ever been used on these claims. From time to time the mines



have been leased to prospectors, who gouged out all the better grade ore; the remnant in sight is of a very low value compared to the grade formerly produced. It is not unreasonable to expect that ore of equal value to that which has been produced will be developed in the lower levels.

#### GEOLOGY:

The U. S. Government Reports by Becker are very exhaustive on this subject and can be referred to for detailed information.

#### THE VEIN:

The vein as shown on annexed maps is 6 to 56 feet in width; the average is stated to be 16 feet; the dip  $45^{\circ}$  to the southeast; the strike is  $N 71^{\circ} E$ ; the ore is quartz porphy, friable and free from the walls; the foot wall is diorite; the hanging wall is andesite; much intrusive diabase is to be found. Some faulting of the vein is shown on the map.

#### THE WORKINGS:

The underground workings are graphically shown by maps annexed to this report.

The main Haywood tunnel is 1040 feet long.

The intermediate tunnel is 810 feet long.

Santiago and Andrews " is 1085 feet long.

Main Santiago " is 1300 feet long.

Shafts and winzes are 1600

Total linear feet 5815

Equal to 130,900 cubic feet of excavation.



Haywood foot wall stope	50 x 50 feet	= 2500	sq. ft.
Quinn Stope West End	120 x 130 "	= 15600	" "
Quinn Stope East End	130 x 60 "	= 7800	" "
Murphy Incline Stope	50 x 75 "	= 3750	" "
Santiago Stopes	60 x 100 "	= 6000	" "
Total -		35650	Square feet

35,650 square ft. x 16 ft. average width of stopes	= 570,400	cu. ft.
From tunnels and shafts,	= 130,900	" "
Total	701,300	" "

Equal to 53, 946 tons.

All this material has been milled excepting some three hundred tons now on the dumps, closely checking up the statement as to the number of tons milled from the mine, i.e. 60,000 tons.

#### ORE IN SIGHT:

By referring to annexed map it will be seen there are three Blocks, A, B, C, the ore reserve or ore in sight.

Block A	799,000 cubic feet	= 61,462 tons.
" B	1,327,200 "	= 102,098 "
" C	1,620,000 "	= 124,615 "
Total -		288,170 tons.

This computation is taking the width of the vein at 10 feet only.

From the tonnage of,	288,170
will be deducted ore extracted	53,946
Number of tons in sight -	334,224

#### VALUE OF ORE IN SIGHT:

The average value of this ore in sight has been arrived at from the results of the work of several independent engineers; they spent many days in the mines with their corps of assistants; the within statements are made from their findings and the bullion returns from the mills.



The ore will average \$5.00 per ton gross, and the gross value of the ore now in sight is \$1,171,122.00.

The net value of the ore in sight is \$585,561, based on many hundreds of samples, carefully taken and equalized. A copy of some of them are included in this report.

The annex maps will show the points from which they were taken. Mr. Gilliams report gives the tonnage in sight to 366,547 tons of a gross value of \$2,341,946.00 and the net value to be \$1,529,003.36, and the gross value per ton to be \$6.39; net value per ton \$4.17.

Mr. Chases report states that he found 230,000 tons in sight, with a gross value of \$1,265,000.00; and a gross value per ton of \$5.50.

The most satisfactory evidence of the true value of the ore can be found from the mill-run records and the receipt for the bullion from the United States Mint at Carson. The following tables show the results from the last runs:



#### COST OF MINING:

Labor conditions are exceedingly favorable in this locality; there never have been any strikes or lockouts, although there is a local union. All miners and underground workers receive a flat rate of \$4.00 for 8 hours; surface men \$3.00 for 9 hours. Lumber and timber can be delivered at the mine for \$26 per thousand feet. Electric power is sold at from \$5 to \$10 per H. P. per month. The cost of mining the last 1400 tons of ore ranged from \$1 to \$1.50 per ton. With modern appliances and caving the ore can be delivered to the ore bins for 50¢ per ton.

#### COST OF MILLING:

Small custom mills at Silver City one mile from the Haywood Mine, do custom milling for \$2.50 per ton in small lots. The recovery on the plates averages from 65% to 70% of the assay value of the ores. A mill run of 68,000 tons of surface ore from a neighboring property, gross value \$4.80 per ton, was made by the Nevada Reduction Works on the Carson River, four miles from the mine. A profit was made on the run. The mill hauled the ore and paid a royalty of 50¢ a ton to the mine.

The results of a test on the Haywood tailings is as follows:



In September, 1907, an exhaustive test was made by a specialist on the treatment of the tailings by the Cyanide Process. This test was made from the tailings of the September run of 131 tons, as noted elsewhere. The results are shown as follows. The tailings passed through a battery screen of 40 mesh.

No. 1 TEST:

Percentage of concentrates	.44%	\$ .16
Sand over 100 mesh	19.30%	.41
Sand under 100 mesh	32.70%	.48
Slimes,	46.60%	.83
	<u>99.04</u>	<u>\$ 1.88</u>
Error	.06	.17
	<u>100.00</u>	<u>\$ 1.71</u>

No. 2 TEST:

Mesh over 100,  
Lime, 10 pounds per ton of ore,  
Time 17 hours agitation,  
Cyanide 3 to 1 of 5 lb. solution,  
Cyanide loss .9 lb. per ton ore,  
Extraction 62.5%

No. 3 TEST:

Fine sand agitation,  
Under 100 mesh,  
Lime 10 pounds per ton,  
Time 17 hours,  
Cyanide 3 to 1 of a 5 lb. solution  
Loss of cyanide .4 per ton of ore,  
Extraction 78.1%



No. 4 TEST:

Slimes agitation from sizing test,  
Lime, 10 lbs. per ton,  
Time 17 hours,  
Cyanide 5 to 1 of a 5 lb. solution,  
Loss of Cyanide .3 per ton,  
Extraction 80%.

Estimated cost of treating per ton 59 cents; extraction equal to 80% of the value of the tailings. In this test 131 tons of ore from the Haywood mine the saving was 78.4% on the plates, and by cyaniding the tailings, 95.5% of the assay value of the ore.

It is believed that the most favorable means for treatment of this ore is stamping, tubeing and direct cyaniding.

The cost of treatment in the above plant would not be over \$1.00 per ton of ore treated.

An ariel tram, 25 tons per hour minimum capacity, can be built for \$1.50 per foot; with the fall of 900 feet from the mine to the river the capacity is almost unlimited. The idea of the tram being a main trunk line, with spurs to the mine, is not a bad one.

The district in which the Haywood property is located is well known to the world as the "Comstock Lode" that has produced \$690,000,000.00. There is little left to be said concerning it. It is a fact that in this zone no mine that has produced ore has ever played out. The rich bonanza ores have been removed. But what remains, (i.e. low grade ore), will prove a greater source of wealth.



It is not necessary as a recommendation of the Haywood property to point to its past production, but rather to the ore now in sight and its value.

The attached maps give a clearer idea of the property than a written description.

(Signed) Harold E. Sherman

Mining Engineer.



ASSAYS AND DESCRIPTIONS OF SAMPLES

ACCOMPANYING

LANE C. GILLIAM'S REPORT

<u>Description of Samples</u>	<u>GOLD</u>	<u>SILVER</u>	<u>TOTAL</u>
3' Wide at bottom of #1 Winze	\$4.03	.86	\$4.89
4' wide 10' above #1	5.72	.90	6.62
5' wide 10' above #2	5.24	.86	6.10
4' wide 10' above #3	3.96	.86	4.82
4' wide 10' above #4	4.93	.80	5.73
4' section of vein from foot wall	5.93	.65	6.58
5' section of vein south of #6	3.86	.50	4.36
5' section of vein S. of No. 7	4.93	.98	5.91
5' section of vein S. of No. 8	4.13	.86	4.99
5' section of vein S. of No. 9	10.12	1.60	11.72
5' section of vein S. of No. 10	4.93	1.05	5.98
5' section of vein S. of No. 11	1.72	.55	2.27
6' section of Hanging Wall, width of vein	8.08	.80	8.88
7' wide N of Wall of C.C.F. (40 ft.)	5.90	1.10	7.00
5' wide 10' N of #14	4.20	.88	5.08
8' wide 10' N of #15	4.85	.90	5.75
5' wide 10' N of #16	2.69	.86	3.55
4' wide 10' N of #17	5.50	.80	6.30
5' wide 10' N of #18	4.10	1.15	5.25
6' wide 10' N of #19	5.17	1.13	6.35
5' wide 10' N of #20	3.85	2.08	5.93
5' wide 10' N of #21, tunnel in hanging wall bet #21 & 22	2.08	.35	2.43
5' wide 10' N of #22	4.14	.98	5.12



Description of Samples		GOLD	SILVER	TOTAL
5' wide	10' N of #23	6.04	1.30	7.34
3' "	10' N " #24	3.52	.86	4.38
7' "	10' N " #25	6.82	1.05	7.87
5' "	face #1 drift	3.08	.82	3.90
4' "	10' N of #27 Drift #1	4.40	1.12	6.12
5' "	10' N of #28 " #1	4.85	.86	5.71
8' "	at mouth of drift	3.00	1.86	4.86
7' "	at bottom upraise #1	2.90	.90	3.80
4' "	middle " #1	2.40	.97	3.37
4' "	small stope at upraise #1	1.80	.82	2.42
8' "	10' N of #26	5.10	.83	5.93
7' "	10' N " #34	3.80	.88	4.68
4' "	bottom of winze #2	5.15	.90	6.05
Grabbed sample caved ore winze #2		6.32	.95	7.27
4' wide	S end drift in winze #2	2.80	1.18	3.98
5' "	N end same drift	4.08	2.06	6.14
36' "	C.C. bottom of #2 winze	3.00	.62	3.62
5' "	10' N of #35	4.40	.98	5.38
5' "	10' N of #41	3.92	.84	4.76
4' "	10' N of #42	5.03	1.30	6.33
5' "	10' N of #43	13.20	1.88	15.08
4' "	10' N of #44	8.32	.60	8.92
4' "	10' N of #45	7.10	1.55	8.65
36' in C.C. #2		3.10	.93	4.03
3' wide	10' N of #46	2.40	.86	3.26
4' "	10' N of #49, stope begins between 49 and 50	7.20	.84	8.04
4' "	10' N of #50	11.80	.86	12.46
5' "	10' N of #51	7.20	.86	8.04
4' "	10' N of #52	12.60	.86	13.46
28' "	crosscut #3	13.20	2.10	15.30
6' "	17' N of #53	6.80	1.10	7.90
23' "	crosscut #4	2.20	.90	3.10
13' "	in " #5	4.80	.78	5.58
3' "	" drift E end crosscut #5	6.60	.86	7.46
5' "	20' S of #58	4.90	1.80	6.70
4' "	10' S of #59	13.00	.86	13.86
4' "	10' S of #60	11.00	.86	11.86
3' "	10' S of #61	13.60	.86	14.46
10' "	intersection drift with C C 4	6.80	.90	7.70
4' "	10' S of 63	5.60	1.20	6.80
40' "	10' S of 64	4.90	.80	5.70
5' "	10' S of 65	4.50	.86	5.36
4' "	S end drift #2	12.80	.90	13.70



<u>Description of Samples</u>		<u>GOLD</u>	<u>SILVER</u>	<u>TOTAL</u>
3' wide	31' N of #55	4.60	.88	5.48
4' "	10' N of #68	2.60	.50	3.10
4' "	10' N of #69	3.85	.74	4.59
10' "	10' N " #70	5.10	2.20	7.30
9' "	10' N " #70	2.70	.90	3.60
10' "	10' N " #71	3.95	.50	4.45
5' "	10' N " #72	4.10	.84	4.94
4' "	10' below collar winze #3	4.95	.50	5.45
4' "	10' " #74	4.95	.50	5.45
4' "	10' " #75	4.40	.35	4.75
4 feet wide	10' below #78	7.88	1.20	9.08
4' wide	10' below 77	4.05	.90	4.95
4' "	10' " #78	3.80	.95	4.75
5' "	10' N of #73	6.10	1.10	7.20
9' "	10' N of #80	3.50	.82	4.32
7' "	10' N of #81	3.90	1.13	5.03
12' "	to hanging wall C C 6	5.06	1.10	6.16
6' "	10' N of #82	3.10	.65	3.75
6' "	10' N " #84	6.80	.55	7.35
6' "	10' N " #85	2.60	2.18	4.78
7' "	10' N " #86	3.62	1.95	5.57
7' "	10' N " #87	4.05	.82	4.87
6' "	10' N " #88	6.20	.72	6.92
33' "	crosscut #7	4.45	.65	5.10
7' "	base of drift #3	3.90	.70	4.60
7' "	10' S of #91	6.80	.50	7.30
7' "	in bottom small stope bet.93-4	5.00	.50	5.50
7' "	10' S of #92	10.10	.42	10.52
7' "	10' S " #94	3.20	.42	3.62
8' "	10' S " #95	18.12	3.10	21.22
7' "	10' S of #96 face #3 drift	4.18	1.25	5.43
3' "	in drift #4, W of tunnel #1	3.32	.60	3.92
5' "	10' W of #98	2.90	.42	3.32
4' "	10' W of #99	5.05	1.55	6.60



<u>Description of Samples</u>		<u>GOLD</u>	<u>SILVER</u>	<u>TOTAL</u>
7'	Wide 10' W of #100	2.90	.52	3.42
7'	" 10' W " #101	5.95	1.80	7.75
5'	" 10' W " #102	4.10	1.05	5.15
15'	" bottom of winze at CC #7	5.60	.78	6.38
6'	" 10' N of #89	5.50	.42	5.92
6'	" 10' N " #105	2.80	.65	3.45
8'	" 10' N " #106	7.85	1.60	9.45
3'	" 10' N " #107	1.20	.43	1.63
4'	" 10' N " #108	10.10	1.15	11.25
38'	" in C C #8, #1 level	3.50	1.90	5.40
10'	" adjoining #110, #1 level	2.70	2.10	4.80
8'	" " #111 to west	3.80	2.35	6.15
15'	" in C C #9 to hanging-wall	4.30	2.10	6.40
7'	" adjoining #113 to footwall	5.85	1.80	7.65
4'	" 19' N of #114 all stopes beyond	12.80	2.70	15.50
5'	" 22' N " winze #4, level #2	6.60	1.60	8.20
5'	" 10' N " #116	6.20	1.65	7.85
6'	" 10' N " #117	8.15	1.40	9.55
3'	" 22' N " #118	3.55	7.90	11.45
4'	" 10' N " #119	4.50	1.40	5.90
5'	" 20' N " #120	5.16	1.10	6.26
4'	" 10' N " #121	9.70	1.05	10.75
3'	" 10' N " #122	6.60	1.05	7.65
3'	" 10' N " #123	5.50	1.05	6.55
3'	" 10' N " #124	18.35	3.10	21.45
3'	" 10' N " #125	9.30	1.85	11.15
4'	" 10' N " #126	8.10	1.05	9.15
3'	" 28' N " #127	4.80	.70	5.50
6'	" 10' N " #128	4.10	.80	4.90
3'	" 10' N " #129	3.10	1.05	4.15
4'	" 10' N " #130	4.70	2.20	6.90
5'	" hanging small drift #2 level	5.50	1.85	7.35
4'	" 10' N of #132	4.85	1.60	6.45
3'	" 10' N " #133	3.20	.85	4.05
2'	" 10' N " #134	2.95	.60	3.55
3'	" 10' N " #135 end of drift	8.80	3.10	11.90
99'	" east strain opposite #118	7.10	2.15	9.25
6'	" at S end drift #5 level #3, C C 8	4.34	.30	4.64
5'	" 10' N of #138	3.58	1.84	5.42
5'	" 10' N " #139	3.65	1.51	5.16
4'	" 10' N " #140	4.86	1.90	6.76



<u>Description of Samples</u>		<u>GOLD</u>	<u>SILVER</u>	<u>TOTAL</u>
7'	Wide 10' N of #141 in second drift #5 C C #10	2.25	.90	3.15
6'	section from footwall in C C #10	13.65	3.08	16.73
8'	" east of #143	6.83	1.05	7.88
6'	" " " #144	2.08	.76	2.84
6'	" " " #145 to hg wall	5.52	1.32	6.84
3'	" 10' N of #146	4.03	1.28	5.31
3'	" 20' N " #147	3.52	.24	3.76
3'	" 10' N " #148	4.62	1.32	5.94
3'	" 10' N " #149	9.82	1.41	11.23
3'	" 10' N " #150	4.62	2.26	6.88
5'	" 10' N " #151	4.66	.91	5.57
9'	" 15' N " #152 bottom upraise	5.10	1.30	6.40
7'	" at end level #3	9.30	3.10	12.90
16'	from hanging wall in C C bottom winze #3	3.80	1.40	5.20
4'	wide S end level #4	5.24	4.27	9.51
4'	" 10' N of C C bottom winze #4	4.61	3.41	8.03
3'	" N face level #4	12.55	1.11	13.66
4'	" 24' N of #109 in tunnel #1	13.43	1.68	15.11
9'	" at end sq. sets, same tunnel	7.65	1.76	9.41
7'	" 21' N of #159	2.90	.45	3.35
5'	" 9' N of #161	4.93	1.63	6.56
5'	" 26' N of #162	4.03	.58	4.61
7'	" 60' N of #163	18.09	1.36	19.45
5'	" 23' N " #164	18.09	1.08	19.17
4'	" 84' N " #165	3.07	1.65	4.72
14'	" 24' N " #166	4.00	.65	4.65
32'	" to hanging, in C C #11	7.10	.60	7.70
3'	" 12' N of #168	3.58	.15	3.73
4'	" 15' N " #169	2.96	.50	3.46
8'	" 20' N " #170	3.03	.48	3.51
7'	" 10' N " #171	4.86	1.96	6.82
6'	" 13' N " #172	8.26	.50	8.77
5'	" 26' N " #173	1.03	.78	1.81
4'	" 11' N " #174	4.24	1.42	5.66
4'	" 20' N " #175	1.41	1.15	2.56
5'	" 14' N " #176	5.13	1.30	6.43
4'	" 11' N " #177	7.75	.96	8.71
4'	" 12' N " #178	6.82	2.33	9.15
5'	" 9' N " #179	4.55	1.46	6.01



<u>Description of Samples</u>		<u>GOLD</u>	<u>SILVER</u>	<u>TOTAL</u>
5'	Wide 12' N of #180 upraise	4.13	.63	4.78
3'	" on top U R, upper level	2.03	.38	2.41
3'	" 10' N of #182	4.53	1.40	5.93
5'	" 29' N " #184	1.03	.43	1.46
4'	" 10' N " #185	12.92	1.14	14.06
5'	" 10' N " #186	5.10	.85	5.93
4'	" 10' N " #187	4.52	.41	4.93
4'	" 10' N " #188	7.85	2.81	10.66
13'	" in C C #12, full width	7.03	.33	7.36
3'	" 10' N of #190	7.23	.43	7.66
3'	" 10' N " #191	7.23	1.08	8.31
8'	" 10' N " #192	5.13	.40	5.53
16'	" 21' N " #193	4.13	.90	5.03
3'	" 10' N " #194	5.16	1.33	6.49
10'	" at end of station	5.06	1.68	6.74
8'	" 10' N of #196	6.52	1.07	7.59
6'	" 10' N " #197	6.80	1.10	7.90
3'	" in small stope east of #196	6.65	1.89	8.64
10'	" 30' S of end line	7.65	1.27	8.92
8'	" on footwall 10' N of #200	4.58	1.44	6.02
6'	" above #201 to hanging	2.38	.44	2.82
6'	" at end line	8.07	1.40	9.47
6'	" above N end line in lower level north side	7.03	.98	8.01
3'	" 15' S of #204	6.16	1.38	7.54
8'	" 11' S " #205	5.55	1.46	7.01
7'	" S of #206 10 feet	4.07	1.40	5.47
6'	" 75' S of #207	6.82	1.24	8.06
8'	" 15' S " #208	44.34	4.43	48.77
5'	" S end of stope in winze	13.10	1.43	14.53
7'	" N " " " " "	8.13	.90	9.03
5'	" 20' S " #211, same stope	8.79	.79	9.58
5'	" 20' above #212	17.59	1.73	19.32
5'	" in upraise 20' from top	8.07	.45	8.52
4'	" 20' above #213	6.20	.55	6.75
3'	" 20' below #215	5.55	3.10	8.65

In above list --

Gold is figured at \$20 per oz.

Silver is figured at 50¢ per oz.



ASSAYS ACCOMPANYING CHASES'S REPORT

Assays by R. H. Officer,

Salt Lake City, Utah

No.	OUNCES	OUNCES	V A L U E		TOTAL VALUE
	GOLD	SILVER	GOLD	SILVER	
1	0.20	0.6	\$4.00	.40	\$4.40
2	0.18	1.0	3.60	.67	4.27
3	0.18	1.2	3.60	.80	4.40
4	0.36	1.6	7.20	1.07	8.27
5	0.40	0.3	8.00	.20	8.20
6	0.04	0.2	.80	.13	.93
7	0.02	tr	.40		.40
8	0.10	0.5	2.0	.34	2.34
9	0.16	1.0	3.20	.67	3.87
10	0.28	0.5	5.60	.33	5.93
11	0.46	0.08	9.29	.60	9.80
12	0.14	1.3	2.80	.87	3.67
13	0.38	0.4	7.60	.27	7.87
14	0.22	0.4	4.40	.27	4.67
15	0.06	1.0	1.20	.67	1.87
16	0.28	0.7	5.60	.47	6.07
17	0.03	0.2	.60	.13	.73
18	0.04	0.2	.80	.13	.93
19	0.10	1.1	2.00	.80	2.80
20	0.34	2.9	6.80	1.94	8.74
21	0.10	0.3	2.00	.20	2.20
22	0.03	0.5	.60	.34	.94
23	0.02	0.2	.40	.13	.53
24	0.02	0.5	.40	.34	.74
25	0.02	0.4	.40	.27	.67



No.	OUNCES GOLD	OUNCES SILVER	V A L U E		TOTAL VALUE
			GOLD	SILVER	
26	0.12	0.9	2.40	.54	2.94
27	0.04	0.9	.80	.60	1.40
28	0.12	1.9	2.40	1.27	3.67
29	0.08	1.4	1.60	.94	2.54
30	0.10	2.7	2.	1.80	3.80
31	0.08	1.7	1.60	1.14	2.74
32	0.05	0.2	1.00	.14	1.14
33	0.14	tr	2.80		2.80
34	0.24	0.7	4.80	.47	5.27
35	0.04	0.4	.80	.27	1.07
36	0.04	0.4	.80	.27	1.07
37	0.28	1.4	5.60	.94	6.54
38	0.20	0.8	4.00	.54	4.64
39	0.02	0.2	.40	.14	.54
40	0.04	0.2	.80	.14	.94
41	0.04	1.9	.80	1.27	2.07
42	0.04	0.2	.80	.14	.94
43	0.03	0.2	.60	.14	.74
44	0.08	2.3	1.60	1.47	3.07
45	0.36	2.7	7.20	1.80	9.00
46	0.08	0.4	1.60	.27	1.87
47	0.12	0.5	2.40	.34	2.74
48	0.58	0.9	11.60	.60	12.20
49	0.48	2.8	9.60	1.87	11.47
50	0.54	0.8	10.80	.54	11.34
51	0.68	0.7	13.60	.47	14.07
52	0.42	0.6	8.40	.40	8.80
53	0.14	1.4	2.80	.94	3.74
54	0.59	0.6	11.80	.40	12.20
101	0.50	0.8	6.00	.54	6.54
102	0.54	0.5	10.80	.34	11.14
103	3.92	4.1	78.40	2.75	81.15
104	0.74	2.6	14.80	1.74	16.54
105	0.40	1.1	8.00	.80	8.80
106	0.56	1.1	11.20	.80	12.00



No.	OUNCES GOLD	OUNCES SILVER	V A L U E		TOTAL VALUE
			GOLD	SILVER	
107	0.50	1.7	\$10.00	\$1.14	\$11.14
108	1.40	2.1	28.00	1.40	29.40
109	0.42	0.6	8.40	.40	8.80
110	0.74	2.3	14.80	1.67	16.47
111	1.44	2.3	28.80	1.47	30.27
112	0.26	0.6	5.20	.40	5.60
113	2.26	2.5	45.20	1.67	46.86

Assays by Henry E. Wood, Denver, Colo.

55	.24	1.00	4.80	.67	5.47
56	.32	7.10	6.40	4.75	11.15
57	.40	3.40	8.00	2.27	10.27
58	.62	9.80	12.40	6.56	18.96
59	.30	6.30	6.00	4.22	10.22
60	.22	1.80	4.40	1.20	5.60
61	.50	2.10	10.00	1.40	11.40
62	.28	.70	5.60	.47	6.07
63	.28	1.20	5.60	.80	6.40
64					
65	.10	1.70	2.00	1.14	3.14
66	1.60	.80	32.00	.55	32.53
67	.08	1.30	1.60	.87	2.47
68	.26	.90	5.20	.60	5.80
69	.08	1.10	1.60	.70	2.30