SURVEYED MINING CLAIMS, GIVING LAND OFFICE SURVEY NUMBER

(In alphabetical order)

Name	Number	Sec.	T.N.	R.E.
Ajax	1332	8, 17	47	8
Alice	16861(1)	24	47	7
American Eagle	1388	17	47	8
Antoro	937	18	47	8
Arctic	14183(10)	18	47	8
Ashley	20125(2)	17, 18	47	8
Atlantic	7820	19	47	8
Aurora	1459	24	47	7
Backus	13598(1)	25 30	47 47	7 8
Baltimore	15099(1)	24	47	7
Baltimore No. 2	15099(2)	24	47	7
Bay State	14672(3)	30, 31	47	8
Beaver	1154	25	47	7
Belle of Colorado	2128	8	47	8
Bernice	6011	9	47	8
Big Manitou	1321	17	47	8
Black Bess	19582 Am.	24	47	7
Black Bess No. 2	19863	24 19	47 47	7 8
Blue Bell	20365	17	47	8
Bob Burdette	1052	17, 20	47	8
Bonanza	614	24	47	7
Bonanza No. 1	18775(1)	24	47	7
Bonapart	13598(2)	30	47	8
Boston	2291	23	47	7
Boston	14672(4)	30	47	8
Boston No. 1	19975(2)	23, 24	47	7
Botha	14845(1)	30	47	8
Brighton	16744(1)	7, 18	47	8
Brooklyn	18824	7	47	8
Buffalo	18803	17	47	8
Burlington	19552(1)	17	47	8
Burnes	19033(1)	18, 19	47	8
Cabin	17834	18, 19	47	8
Camp Bird	1624	18	47	8
Carrie Eugene	965	7	47	8
Chicago	8524(2)	30	47	8
Chicago No. 2	18392(4)	16	47	8
Chicago No. 8	18392(1)	17	47	8
Chicago No. 11	18392(2)	16, 17	47	8
Chicago No. 14	18392(3)	16	47	8
Chicago No. 16	18392(5)	16	47	8
Chief	14672(1)	30, 31	47	8
Chloride	19056(1)	6, 7	46	8
Chloride No. 2	19056(2)	6, 7	46	8
Chloride No. 3	19056(3)	6, 7	46	8
Chloride No. 4	19056(4)	6	46	8
Cincinnati	2267	24	47	7
Cliff	13597(1)	30	47	8
Cobalt	19144(1)	24	47	7
Cocomongo	18775(2)	24	47	7
Coin	13597(3)	30	47	8
Columbine	20366(1)	17	47	8
Columbus	1348	17	47	8
Columbus	13598(3)	30	47	8
Continental	19611(2)	17, 18	47	8
Cora	6014	18	47	8
Cornucopia	20012	24	47	7
Coronet	7515(2)	18	47	8
Cracker Jack	19611(4)	8, 17	47	8
Crain Boy	1502	19, 30	47	8
Crescent	19144(5)	24	47	7
Crescent No. 2	19144(6)	24	47	7
Cretone	19144(3)	24	47	7
Crevet	19144(2)	24	47	7
Cronje	14845(2)	30	47	8
Cross	19552(3)	17	47	8
Crown Point	1786	7, 18	47	8
Daisy	20366(3)	17	47	8
Dallas C. No. 1	19056(6)	7, 8	46	8
Dallas C. No. 2	19056(5)	7, 8	46	8
Dandy	19611(5)	8	47	8
Defiance	591	25	47	7
Demming	1016	18	47	8
Denver	20364(4)	8	47	8
De Soto	1024	25	47	7
Divide	19611(1)	18	47	8
Durango	1221	17	47	8
Eagle	9176(1)	6	46	8
Emma	1319	17	47	8
Empress Josephine	625	30	47	8
Ennesa F.	14347(1)	17, 18, 19	47	8
Enterprise	14700(2)	7, 8	46	8
Equalizer	14347(2)	17, 18, 19	47	8
Erie	13580	19	47	8
Esther	15541(1)	18	47	8
Ethelyn	19033(2)	19	47	8
Evening Star	1692	7	47	8
Excelsior	7283	25	47	7
Exchequer	6424	24	47	7
Express	16560	8	46	8
Fairplay	5358	7	47	8
Forest	20364(8)	8	47	8
59er	1391	23, 24	47	7
Foster	15513	18, 19	47	8
Four Per Cent	927	7	47	8
Gem City	7699	17	47	8
General Hancock	6016	18	47	8
Gypsy Queen	15541(3)	18	47	8
Glennbrook	2190	30	47	8
Glennevis	16744(3)	7, 18	47	8
Golden Age	18825(1)	7, 8	47	8
Golden Blow Out	14700(3)	8	46	8
Golden Fleece	1931	19	47	8
Grand View	1320	17	47	8
Grant	20364(9)	8	47	8
Great Depth	19611(6)	8	47	8
Great Depths No. 2	19611(7)	8	47	8
Great Eastern	2304	24	47	7
Great Mogul	14347(3)	17	47	8
Green Bay	1349	8, 17 24	47 47	8 7
Grover Cleveland	17738	19	47	8
Hanover	14348	19	47	8
Hawk	9176(2)	6	46	8
Headlight	19198	8	46	8
Helen Segar	7515(1)	18	47	8
Horace	1025	25	47	7
Hortense	909	30	47	8
Huron	1932	19	47	8
Hyde	15499	18	47	8
Idaho	20286(1)	19	47	8
Ignacio	14183(8)	18	47	8
Illinois	945	30	47	8
Independence	14183(1)	18	47	8
Iroquois	7152	7	47	8
Itasca	1350	8	47	8
Jack Pot	14697(2)	6	46	8
Jackson	20364(3)	8, 17	47	8
Japan	19552(3)	17	47	8
Joubert	14845(3)	30	47	8
June	1364	18	47	8
Jupiter	17251	18	47	8
Juretta	16861(2)	24	47	7
Katie	6036	8	47	8
Keystone	666	24 19	47 47	7 8
Kruger	14845(4)	30	47	8
Larkspur	20366(2)	17	47	8
Last Chance	1583	19, 20	47	8
Lawrence	966	19	47	8
Lee	20364(5)	8	47	8
Legal Tender	6013	7	47	8
Lincoln	19532(1)	18	47	8
Little Jennie	771	18	47	8
Little Jersey	2265	13, 24	47	7
Little Manitou	1351 A	17	47	8
Little Manitou (M.S.)	1351 B	17	47	8
Little Pittsburg	1686	13, 24 18, 19	47 47	7 8
Lone Star	19144(4)	24	47	7
Lost Wonder	17462	6	46	8
Mariposa	13570	30	47	8
Mammoth	639 Am.	30	47	8
Mary Jane	19899(1)	32	47	8
Mary Jane No. 1	19899(2)	32	47	8
Mary Jane No. 2	19899(3)	32	47	8
Mary McGinnis	20089(1)	19	47	8
May	14998	20	47	8
May Queen	15541(4)	18	47	8
Meade	20364(10)	8, 17	47	8
Memphis	17178	24	47	7
Merrimac	1101	18	47	8
Michigan	7837	18	47	8
Middle	19601	17	47	8
Midget	15719	18	47	8
Midnight	6015	7	47	8
Mill Site (lode)	12281	17	47	8
Minehart	1503	19	47	8
Mineral King	594	25	47	7
Minnesota	19535	17	47	8
Minnie Lynch	17148	19	47	8
Mount Joy	16744(2)	7, 18	47	8
Mountain Chief	15248(1)	20	47	8
Navajo	20286(2)	19, 20	47	8
Nettie	613	24	47	7
New York	2290	23, 24	47	7
New York No. 1	19975(1)	23, 24	47	7
New York No. 2	19975(3)	23	47	7
New York No. 3	19975(4)	23	47	7
New York No. 4	19975(5)	23	47	7
New York No. 5	19975(6)	23	47	7
Norah	1416	7	47	8
North Pole	14183(2)	18	47	8
Ontario	1933	19	47	8
Ophir	15951(2)	30	47	8
Orphan Belle	14183(9)	18	47	8
Ouray	14183(5)	18	47	8
Paddy Doyle	20089(2)	19	47	8
Paragon	733	17, 18	47	8
Park	14584	18, 19	47	8
Payson	787	18	47	8
Peary	14183(3)	18	47	8
Pelican	20089(3)	19	47	8
Pemberton	20364(6)	8, 17	47	8
Philadelphia	2266	13, 24	47	7
Philadelphia	13597(2)	30	47	8
Plato	1585	20	47	8
Pocahontas 2d	17177	25	47	7
Portland	15951(1)	30	47	8
Poverty	938	18	47	8
President	18825(2)	7, 8	47	8
Pride of the West	1299	7	47	8
Pueblo	17850(1)	8	47	8
Pueblo No. 2	17850(2)	8	47	8
Queen City	15248(2)	20	47	8
Radcliff	616	7, 18	47	8
Rainbow	1121	17	47	8
Rawley	980	18	47	8
Red Buck	1020	24 30	47 47	7 8
Red Cloud	14183(4)	18	47	8
Revenue	802 Am.	24	47	8
Rosa Lee	1584	19	47	8
Rover	1554	20	47	8
Ruth	15541(2)	18	47	8
Saint Joseph	16568	25	47	7
Salida	20364(1)	7, 8	47	8
San Joaquin	1586	20	47	8
Sanders	20125(4)	17	47	8
Sarah D.	1590	24 19	47 47	7 8
Senator	16306(1)	19	47	8
Senator No. 2	16306(2)	19	47	8
Shawmut	1272	7	47	8
Shavano	14183(6)	18	47	8
Sheridan	20364(2)	7, 8	47	8
Sherman	20364(7)	17	47	8
Silver Key	14700(1)	7	46	8
Simonds	18791(1)	19	47	8
Sixteen to One	15248(3)	20	47	8
Sosthenis	2548	18	47	8
Southern Boy	15248(4)	20	47	8
Specie Payment	2593	7	47	8
St. Louis	8524(1)	30	47	8
Stem Winder	14586	20	47	8
Success	14347(4)	17, 18	47	8
Summit	14672(2)	29 25	47 47	8 7
Sylvester	20127	30	47	8
Three Friends	14697(1)	6	46	8
Timberline	19611(3)	17	47	8
Tip Top	14689(3)	18, 19	47	8
Townsend	14689(2)	18	47	8
Unique	20089(4)	19	47	8
Uintah	18611	18 25	47 47	8 7
U. S. Grant	20049	30	47	8
Vallejo	14110	18	47	8
Vice President	18825(3)	7	47	8
Veni Vidi Vici	18825(4)	7	47	8
Wainwright	18791(2)	19	47	8
Washakee	14183(7)	18	47	8
Washington	19532(2)	18	47	8
Weaver	20125(1)	17, 18	47	8
Weems	20125(3)	17, 18	47	8
West Rawley No. 1	18792	18	47	8
Whale	7228	18, 19	47	8
Wheel of Fortune	597 A	25	47	7
Wheel of Fortune (M. S.)	597 B	36 31	47 47	7 8
Wide Awake	598	25	47	7
Yellow Type	1308	7	47	8
Zero	14689(1)	18	47	8

SURVEYED MINING CLAIMS, GIVING LAND OFFICE SURVEY NUMBER

(In numerical order)

Number	Name
591	Defiance
594	Mineral King
597 A	Wheel of Fortune
597 B	Wheel of Fortune (M. S.)
598	Wide Awake
613	Nettie
614	Bonanza
616	Radcliff
625	Empress Josephine
639 Am.	Mammoth
666	Keystone
733	Paragon
771	Little Jennie
787	Payson
802 Am.	Revenue
909	Hortense
927	Four Per Cent
937	Antoro
938	Poverty
945	Illinois
965	Carrie Eugene
966	Lawrence
980	Rawley
1016	Demming
1020	Red Buck
1024	De Soto
1025	Horace
1052	Bob Burdette
1101	Merrimac
1121	Rainbow
1154	Beaver
1221	Durango
1272	Shawmut
1299	Pride of the West
1308	Yellow Type
1319	Emma
1320	Grand View
1321	Big Manitou
1332	Ajax
1348	Columbus
1349	Green Bay
1350	Itasca
1351 A	Little Manitou
1351 B	Little Manitou (M. S.)
1364	June
1388	American Eagle
1391	59er
1416	Norah
1459	Aurora
1502	Crain Boy
1503	Minehart
1554	Rover
1583	Last Chance
1584	Rosa Lee
1585	Plato
1586	San Joaquin
1590	Sarah D.
1624	Camp Bird
1686	Little Pittsburg
1692	Evening Star
1786	Crown Point
1931	Golden Fleece
1932	Huron
1933	Ontario
2128	Belle of Colorado
2190	Glennbrook
2265	Little Jersey
2266	Philadelphia
2267	Cincinnati
2290	New York
2291	Boston
2304	Great Eastern
2548	Sosthenis
2593	Specie Payment
5358	Fairplay
6011	Bernice
6013	Legal Tender
6014	Cora
6015	Midnight
6016	General Hancock
6036	Katie
6424	Exchequer
7152	Iroquois
7228	Whale
7283	Excelsior
7515(1)	Helen Segar
7515(2)	Coronet
7699	Gem City
7820	Atlantic
7837	Michigan
8524(1)	St. Louis
8524(2)	Chicago
9176(1)	Eagle
9176(2)	Hawk
12281	Mill Site (lode)
13570	Mariposa
13580	Erie
13597(1)	Cliff
13597(2)	Philadelphia
13597(3)	Coin
13598(1)	Backus
13598(2)	Bonapart
13598(3)	Columbus
14110	Vallejo
14183(1)	Independence
14183(2)	North Pole
14183(3)	Peary
14183(4)	Red Cloud
14183(5)	Ouray
14183(6)	Shavano
14183(7)	Washakee
14183(8)	Ignacio
14183(9)	Orphan Belle
14183(10)	Arctic
14347(1)	Ennesa F.
14347(2)	Equalizer
14347(3)	Great Mogul
14347(4)	Success
14348	Hanover
14584	Park
14586	Stem Winder
14672(1)	Chief
14672(2)	Summit
14672(3)	Bay State
14672(4)	Boston
14689(1)	Zero
14689(2)	Townsend
14689(3)	Tip Top
14697(1)	Three Friends
14697(2)	Jack Pot
14700(1)	Silver Key
14700(2)	Enterprise
14700(3)	Golden Blow Out
14845(1)	Botha
14845(2)	Cronje
14845(3)	Joubert
14845(4)	Kruger
14998	May
15099(1)	Baltimore
15099(2)	Baltimore No. 2
15248(1)	Mountain Chief
15248(2)	Queen City
15248(3)	Sixteen to One
15248(4)	Southern Boy
15499	Hyde
15513	Foster
15541(1)	Esther
15541(1)	May Queer
15541(2)	Ruth
15541(3)	Gypsy Queen
15719	Midget
15951(1)	Portland
15951(2)	Ophir
16306(1)	Senator
16306(2)	Senator No. 2
16568	Saint Joseph
16744(1)	Brighton
16744(2)	Mount Joy
16744(3)	Glennevis
16850	Express
16861(1)	Alice
16861(2)	Juretta
17148	Minnie Lynch
17177	Pocahontas 2d
17178	Memphis
17251	Jupiter
17462	Lost Wonder
17738	Grover Cleveland
17834	Cabin
17850(1)	Pueblo
17850(2)	Pueblo No. 2
18392(1)	Chicago No. 8
18392(2)	Chicago No. 11
18392(3)	Chicago No. 14
18392(4)	Chicago No. 2
18392(5)	Chicago No. 16
18611	Uintah
18775(1)	Bonanza No. 1
18775(2)	Cocomongo
18791(1)	Simonds
18791(2)	Wainwright
18792	West Rawley No. 1
18803	Buffalo
18824	Brooklyn
18825(1)	Golden Age
18825(2)	President
18825(3)	Vice President
18825(4)	Veni Vidi Vici
19033(1)	Burnes
19033(2)	Ethelyn
19056(1)	Chloride
19056(2)	Chloride No. 2
19056(3)	Chloride No. 3
19056(4)	Chloride No. 4
19056(6)	Dallas C. No. 2
19056(6)	Dallas C. No. 1
19144(1)	Cobalt
19144(2)	Crevet
19144(3)	Cretone
19144(4)	Lone Star
19144(5)	Crescent
19144(6)	Crescent No. 2
19198	Headlight
19532(1)	Lincoln
19532(2)	Washington
19535	Minnesota
19552(1)	Burlington
19552(2)	Cross
19552(3)	Japan
19582 Am.	Black Bess
19601	Middle
19611(1)	Divide
19611(2)	Continental
19611(3)	Timberline
19611(4)	Cracker Jack
19611(5)	Dandy
19611(6)	Great Depth
19611(7)	Great Depths No. 2
19863	Black Bess No. 2
19899(1)	Mary Jane
19899(2)	Mary Jane No. 1
19899(3)	Mary Jane No. 2
19975(1)	New York No. 1
19975(2)	Boston No. 1
19975(3)	New York No. 2
19975(4)	New York No. 3
19975(5)	New York No. 4
19975(6)	New York No. 5
20012	Cornucopia
20049	U. S. Grant
20089(1)	Mary McGinnis
20089(2)	Paddy Doyle
20089(3)	Pelican
20089(4)	Ubique
20125(1)	Weaver
20125(2)	Ashley
20125(3)	Weems
20125(4)	Sanders
20127	Sylvester
20286(1)	Idaho
20286(2)	Navajo
20364(1)	Salida
20364(2)	Sheridan
20364(3)	Jackson
20364(4)	Denver
20364(5)	Lee
20364(6)	Pemberton
20364(7)	Sherman
20364(8)	Forest
20364(9)	Grant
20364(10)	Meade
20365	Blue Bell
20366(1)	Columbine
20366(2)	Larkspur
20366(3)	Daisy

MINE AND PROSPECT WORKINGS

	Name	Location Sec.	T.N.	R.E.
1.	Antoro shaft	18	47	8
2.	Antoro tunnel	18	47	8
3.	Ashley tunnel	17	47	8
4.	Baltimore	24	47	7
5.	Bernice	9	47	8
6.	Black Bess	24	47	7
7.	Bonanza shaft	24	47	7
8.	Broadbury group	12	47	7
9.	Buffalo	17	47	8
10.	Chloride shaft	6	46	8
11.	Chloride No. 4 tunnel	6	46	8
12.	Cliff No. 1 tunnel	30	47	8
13.	Cocomongo shaft	24	47	7
14.	Colorado Belle shaft	8	47	8
15.	Cora shaft	18	47	8
16.	Cornucopia	24	47	7
17.	Cronje tunnel	30	47	8
18.	Cross	17	47	8
19.	Crown Point shaft	8	46	8
20.	E. D. shaft	17	46	8
21.	Eagle shaft	6	46	8
22.	Empress Josephine shaft	30	47	8
23.	Erie	19	47	8
24.	Easie and Little Jeff	17	47	8
25.	Evening Star	7	47	8
26.	Exchequer	24	47	7
27.	Express	8	46	8
28.	Gladstone shaft	17	47	8
29.	Glennbrook	30	47	8
30.	Great Depth	8	47	8
31.	Great Mogul	17	47	8
32.	Green Bay	17	47	8
33.	Gypsy Queen	18	47	8
34.	Hanover tunnel	19	47	8
35.	Hanover inclined shaft	19	47	8
36.	Hawk tunnel	6	46	8
37.	Hayden Mountain No. 2	5	46	8
38.	Hortense	30	47	8
39.	Joe Wheeler	5	47	8
40.	Jupiter	18	47	8
41.	Juretta tunnel	24	47	7
42.	Katie	8	47	8
43.	Legal Tender mine	7	47	8
44.	Liberty	30	47	8
45.	Little Jennie adit	18	47	8
46.	Little Pittsburg	24	47	7
47.	Little Thelma	6	46	8
48.	Lone Star	24	47	7
49.	Manitou Sunlight	9	47	8
50.	Mariposa adit	30	47	8
51.	Maybelle tunnel	7	47	8
52.	May Queen	18	47	8
53.	Memphis shaft	24	47	7
54.	Michigan shaft and adits	18	47	8
55.	Minnesota	17	47	8
56.	Minnie Lynch	19	47	8
57.	New York shaft	24	47	7
58.	Now What	30	47	8
59.	Oregon tunnel	5	46	8
60.	Paddy Doyle	19	47	8
61.	Paragon No. 1	18	47	8
62.	Paragon No. 2	18	47	8
63.	Paragon No. 3	18	47	8
64.	Payson	18	47	8
65.	Pershing mine	8	46	8
66.	Queen City tunnel	20	47	8
67.	Radcliff	18	47	8
68.	Rainbow	17	47	8
69.	Rawley drainage tunnel portal	24	47	7
70.	Red Buck	25	47	7
71.	Rico	7	47	8
72.	Saint Joseph	25	47	7
73.	Saint Louis	30	47	8
74.	Schoville group	6	46	8
75.	Senator	19	47	8
76.	Shawmut tunnel	7	47	8
77.	Sosthenis	18	47	8
78.	Stem Winder	20	47	8
79.	Superior	19	47	8
80.	Vallejo	18	47	8
81.	Vienna	7	47	8
82.	Whale	19	47	8
83.	Wheel of Fortune tunnel	25	47	7
84.	Wheel of Fortune shaft	25	47	7
85.	Whitney group	7	46	8
86.	Wide Awake	25	47	7
87.	Wisconsin	18	47	8

EXPLANATION

Qal — Alluvium
(Including both Recent sand and gravel of the stream valleys and dissected Pleistocene deposits of gravel, sand, and silt)

m — Monzonite and quartz monzonite dikes

Tlv — Intrusive quartz latite and rhyolite
(Dikes and irregular intrusive masses within central part of Greenback Gulch. Volcanic rock includes some breccias, probably of intrusive or explosive origin, cut by later dikes)

Tgp — Intrusive granite porphyry

Tgs — Eagle Gulch latite
(A complex, probably multiple intrusion of quartz latite porphyry; contains some undifferentiated dikes of porphyry of similar composition and small veins of pegmatite)

Tma — Intrusive mica andesite
(a single dike)

Ta — Andesite
Later andesite flows of Brewer Creek
(Thin flows of augite and mica andesite, mostly porphyritic; some amygdaloidal beds)

Tbc — Brewer Creek latite
(Brown quartz-mica latite flows with large phenocrysts of plagioclase and a few of quartz)

Tpp — Porphyry Peak rhyolite
(Mostly rhyolite with a few quartz-mica latite flows at base and some intercalated rhyolitic obsidian. Probably includes some rhyolitic intrusions. Structural relations of different members not known)

Tsq — Squirrel Gulch latite
(A few flows of dark-colored glassy hornblende-mica latite, usually with well-developed columnar jointing)

Thp — Hayden Peak latite
(At base dark-colored andesite and latite flows and latite with inclusions, overlain by massive latite on Hayden Peak. Some flows in lower part may correspond to the basal member of the Bonanza latite)

Tbu, Tbl — Bonanza latite
(Upper member, Tbu, rhyolite flows and tuffs of light color, of porous nature with thin beds of breccia and tuff near top. Lower member, Tbl, mainly a few massive flows containing abundant inclusions of andesite and latite, particularly in the lower part)
(A question mark after Tbu or Tbl indicates that member is not definitely differentiated)

Tra — Rawley andesite
(Chiefly thin flows of augite or mica andesite and amygdaloidal augite andesite, with small breccia beds; some latite flows; and at base agglomerate with fragments of pre-Cambrian rocks)

GREAT UNCONFORMITY

gns — Hornblende gneiss, schist, aplitic granite, and pegmatite

Fault or fissure

Strike and dip of rocks

QUATERNARY

TERTIARY

PRE-CAMBRIAN

ALTERATION SYMBOLS

Silicification

Bleaching along fissures caused by formation of sericite, carbonates, chlorite, etc.

Silicification with formation of kaolin, sericite, diaspore, etc.

Vein showing direction of dip

Vertical or nearly vertical vein

Mine workings

Tunnel

Shaft

Prospect

Township 47 North
Township 46 North

Range 7 East
Range 8 East

Porphyry Peak
Round Mtn
Elkhorn Peak
Hayden Peak
Bonanza

Topography by C. A. Ecklund and J. E. Blackburn
Surveyed in 1926

Geology by W. S. Burbank
Surveyed mining claims compiled from General Land Office records by W. S. Burbank

WILLIAMS & HEINTZ CO. WASH. D.C.

GEOLOGIC AND TOPOGRAPHIC MAP SHOWING SURVEYED MINING CLAIMS AND UNDERGROUND DEVELOPMENT IN THE BONANZA DISTRICT, SAGUACHE COUNTY, COLORADO

Scale 1/12,000

0 — 1/2 — 1 Mile

Contour interval 20 feet
Datum is mean sea level

1931