

AUG 23 1916

MAR 7 - 1917

Platted
4-683.

Mineral Survey No. 3310

Lot No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

IOWA GOLD MINES CO.

KNOWN AS THE

Iowa, Iowa Extension, Gold Cup, Gold Nugget, Sunlight,
Golden Gem, Missing Link, Iowa Annex and Washburn lodes.
San Francisco Mining District,

Mohave County, Arizona

Sections 34 & 35, Township 19 N., Range 20 W., ^{Unsurveyed,} G. & S. R. B. & M.

Surveyed under instructions dated June 8-1916, 1

by Edward L. Haff
U. S. Deputy Mineral Surveyor

Claim located See location notices, 1

Survey commenced June 15, 1916

Survey completed August 14, 1916

o 6-160

Address of Claimant

Iowa Gold Mines Company
E. B. Washburn, Pres,
Oatman, Arizona.

~~Chas. B. Hopper, V. Pres.
502 Story Bldg.
Los Angeles, Cal.~~

Feet	I O W A L O D E
	Beginning at Cor. No. 1
	On line 2-3 Sunlight lode, and line 3-4, Gold Cup lode of this survey.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed I-1-3310: Whence U. S. L. M. No. 3310 bears S. 57° 11' 30" E. 524.66 ft. 1/4 Cor. between Secs. 34 and 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M. bears N. 23° 25' 20" E., 993.21 ft.
	No bearing objects available.
	Thence S. 17° 54' W.
135.11	West end center Gold Cup lode of this survey.
186.91	East End center.
	A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.-I-3310.
372.95	Witness Cor. to Cor. No. 2 and Cor. No. 3, Gold Cup lode of this survey.
	A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the witness point, scribed W.C.-I-2-G.C.-3-3310.
	No bearing objects available.
435.11	To point for Cor. No. 2.
	Identical with point for Cor. No. 3. Gold Cup lode of this survey, an inaccessible point on a cliff of rock about 80 ft. high. Whence: Witness Corner to Cor. No. 2 bears N. 17° 54' E. 62.16 ft.
	No bearing objects available.
	Thence from true corner point N. 77° 10' W.
274.33	To Cor. No. 3.
	A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed I-3-3310.

Mineral Survey No. 3310

Feet	No bearing objects available.
	Thence N. $59^{\circ} 11' 30''$ W.
1085.00	Gulch, 10 ft. wide, course northerly and southerly.
1211.58	To Cor. No. 4.
	On line 1-2 Washburn lode of this survey.
	A redwood post 4 ft. long, 4 ins. square, set
	18 ins. in the ground, with mound of earth and rock, a
	nail at the corner point, scribed I-4-3310.
	No bearing objects available.
	Thence N. $17^{\circ} 54'$ E.
65.91	Cor. Nos. 1-2 Washburn and Iowa Extension lodes of this
	survey.
200.00	West end center.
	A redwood post 4 ft. long, 4 ins. square, set
	18 ins. in the ground, with mound of earth and rock,
	a nail at the center point, scribed W. End C.-I-3310.
365.91	East end center, Iowa Extension lode of this survey.
420.00	Gulch, 10 ft. wide, course northerly and southerly.
507.11	To Cor. No. 5.
	On line 2-3 Iowa Annex lode of this survey.
	A redwood post 4 ft. long, 4 ins. square, set
	18 ins. in the ground, with mound of earth and rock, a
	nail at the corner point, scribed I-5-3310.
	No bearing objects available.
	Thence S. $59^{\circ} 45'$ E.
65.00	Gulch, 10 ft. wide, course easterly and westerly.
532.65	Cor. Nos. 2-3 Iowa Annex and Sunlight lodes of this
	survey.
1488.67	To Cor. No. 1, the place of beginning.
	<u>IOWA EXTENSION LODGE</u>
	Beginning at Cor. No. 1.
	A redwood post 4 ft. long, 4 ins. square, set
	18 ins. in the ground, with mound of earth and rock, a
	nail at the corner point, scribed I. Ext.-1-3310: Whence
	U. S. L. M. No. 3310 bears S. $54^{\circ} 45' 50''$ E. 2054.56 ft.

Feet	<p>The 1/4 Cor. between Secs. 34 and 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M. bears N. 89° 38' 20" E., 1632.04 ft.</p> <p>Cor. No. 3 Iowa Annex lode of this survey bears N. 69° 11' W., 946.18 ft.</p> <p>No bearing objects available.</p> <p>Thence S. 17° 54' W.</p>
158.82	Cor. No. 5 Iowa lode of this survey, and intersect line 2-3 Iowa Annex lode of this survey, 5.59° 45' E 967.35 ft. from Cor. No. 3.
246.00	Gulch, 10 ft. wide, course northerly and southerly.
300.00	East end center.
	<p>A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C: I-Ext.-3310.</p>
465.91	West end center Iowa lode of this survey.
600.00	To Cor. No. 2.
	<p>Identical with Cor. No. 1 Washburn lode of this survey.</p>
	<p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed I. Ext.-2-W.-1-3310.</p>
	<p>No bearing objects available.</p> <p>Thence N. 62° 40' W.</p>
1499.32	To Cor. No. 3
	<p>On line 1-2 Missing Link lode of this survey.</p> <p>Identical with Cor. No. 4 Washburn lode of this survey.</p>
	<p>A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed I. Ext. 3-W-4-3310.</p>
	<p>No bearing objects available.</p> <p>Thence N. 17° 54' E.</p>
148.41	East end center Missing Link lode of this survey.
270.00	Gulch 10 ft. wide, course easterly and westerly.
300.00	West end center.

Feet	<p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed W. End C.-I. Ext.-3310.</p>
472.41	<p>Cor. No. 1 Missing Link lode of this survey and intersect line 2-3 Golden Gem lode of this survey, N. 49° 35' W. 71.63 ft. from Cor. No. 2.</p>
600.00	<p>To Cor. No. 4.</p> <p>A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed I. Ext. 4-3310;- Whence Cor. No. 2 Golden Gem lode of this survey bears S. 5° 13' E., 168.55 ft.</p>
	<p>S. W. Cor. Cat Claw lode, unsurveyed, claimants unknown, bears S. 10° 58' E., 137.04 ft.</p>
	<p>No bearing objects available.</p>
	<p>Thence S. 62° 40' E.</p>
67.08	<p>Intersect line 1-2 Golden Gem lode of this survey and West end line Cat Claw lode, unsurveyed, at N. 17° 54' E. 109.02 ft. 144.02 ft. and from Cor. No. 2 and S. W. Cor. respectively, and S. 17° 54' W., 478.05 ft. from the N. W. Cor. said Cat Claw lode.</p>
485.00	<p>Gulch, 10 ft. wide, course northerly and southerly.</p>
564.73	<p>Intersect line 3-4 Iowa Annex lode of this survey, at N. 30° 15' E. 107.58 ft. from Cor. No. 3</p>
583.77	<p>Intersect south side line Cat Claw lode, unsurveyed, at S. 74° 50' E., 510.29 ft. from the S. W. Cor. and N. 74° 50' W. 989.19 ft. from the S. E. Cor.</p>
1499.32	<p>To Cor. No. 1, the place of beginning.</p>

GOLD CUP LODE

Beginning at Cor. No. 1.

Identical with Cor. No. 4 Gold Nugget lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a

Feet	nail at the corner point, scribed G. C.-1-G. N. -4-3310, Whence:-- S. W. Cor. Sec. 31, T. 19 N., R. 19 W., G. & S. R. B. & M. bears S. 80° 50' 50" E., 9566.97 ft. No bearing objects available. Thence S. 17° 54' W.
35.00	Gulch, 10 ft. wide, course northwesterly and southeasterly.
66.69	Intersect south side line Boulder lode, unsurveyed, claimants unknown, at S. 69° 46' 40" E., 892.05 ft. from south angle Cor.
243.00	East end center. Identical with West end center Gold Nugget lode of this survey. A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.- G. C.-W. End C.-G. N.- 3310.
543.00	To Cor. No. 2. Identical with Cor. No. 3 Gold Nugget lode of this survey. A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G. C.-2-G.N.-3-3310. No bearing objects available. Thence N. 77° 10' W.
1500.00	To point for Cor. No. 3. Identical with point for Cor. No. 2 Iowa lode of this survey, an inaccessible point. Whence:- W.C. heretofore described bears N. 17° 54' E. 62.16 ft. Thence N. 17° 54' E. from true corner point.
62.16	Witness Cor. to Cor. Nos. 2-3 Iowa and Gold Cup lodes of this survey, previously described.

Mineral Survey No. 3310.

Feet	Identical with South Angle Cor. Boulder lode, unsurveyed.
248.20	East end center Iowa lode of this survey.
300.00	West end center. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed W. End C.-G.C.-3310.
435.11	Cor. No. 1 Iowa lode of this survey, and interest line 2-3 Sunlight lode of this survey, N. 59° 45' W. 543.98 ft. from Cor. No. 2.
575.00	Gulch, 10 ft. wide, course easterly and westerly.
596.63	Witness Cor. to Cor. No. 4 A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the Witness point, scribed W. C.-G. C.-4-3310. No bearing objects available.
600.00	To point for Cor. No. 4. An inaccessible point on the south face of a cliff of rock, about 30 ft. high, Whence, The 1/4 Cor. between Secs. 34 and 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M., bears N. 24° 31' 10" E. 829.24 ft. No bearing objects available. Thence from true corner point S. 76° 21' 50" E.
410.00	Gulch, 10 ft. wide, course easterly and westerly.
604.49	To Cor. No. 5 On line 1-2 Sunlight lode of this survey, N. 30° 15' E. 333.92 ft. from Cor. No. 2. Identical with South Angle Cor. Boulder lode, unsurveyed. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the Cor. point, scribed G. C.-5-3310 and marked S. Angle Cor. Boulder lode.

<u>Feet.</u>	Thence S. 74° 03' 45" E.
240.00	Wagon road course northerly and southerly.
360.00	Wagon road, course northwesterly and southeasterly.
891.84	To Cor. No. 1, the place of beginning.
<u>GOLD NUGGET LODE</u>	
BEGINNING at Cor. No. 1.	
A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G. N. -1-3310. Whence:-	
S. W. Cor. Sec. 31, T. 19 N., R. 19 W., G. & S. R.	
E. & M. bears S. 81° 38' 10" E., 8070.15 ft.	
No bearing objects available.	
Thence S. 17° 54' W.	
5.03	Intersect South side line Jack Pot lode, unsurveyed, claimants unknown, at S. 79° 19' E., 1448.26 ft. from the S. W. Cor. and N. 79° 19' W., 40.99 ft. from the S. E. Corner.
300.00	East end center.
A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.-G.N.-3310.	
600.00	To Cor. No. 2.
A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G.N.-2-3310.	
No bearing objects available.	
Thence N. 74° 25' 40" W.	
1065.00	Gulch, 10 ft. wide, course northerly and southerly.
1498.32	To Cor. No. 3.
Identical with Cor. No. 2 Gold Cup lode of this survey, previously described.	

Feet. Thence N. 17° 54' E.

300.00 West end center.
Identical with East end center Gold Cup lode of this survey, previously described.

476.31 Intersect South side line Boulder lode, unsurveyed, at N. 69° 46' 40" W., 60.34 ft. from S. E. Corner.

508.00 Gulch, 10 ft. wide, course northwesterly and southeasterly.

543.00 To Cor. No. 4.
Identical with Cor. No. 1 Gold Cup lode of this survey, previously described: Whence,--
The 1/4 Cor. between Secs. 34 and 35, T. 19 N. R. 20 W. un-
approved, G & S. R. B & M. bears N. 43° 57' 10" W., 1586.11 ft.
S. E. Cor. Boulder lode, unsurveyed, and S. W. Cor. Jack Pot lode, unsurveyed, bears S. 23° 13' E., 91.73 ft.
No bearing objects available.

60.50 Thence S. 76° 36' E.
Intersect East end line Boulder lode, unsurveyed, and W. End line Jack Pot lode, unsurveyed, at N. 17° 54' E., 73.85 ft. from the S. E. and S. W. Corners respectively, and S. 17° 54' W., 464.75 ft. from the N. E. and N. W. Corners respectively.

370.00 Gulch, 10 ft. wide, course easterly and westerly.

1015.00 Gulch, 10 ft. wide, course northeasterly and southwesterly.

1501.73 To Cor. No. 1, the place of beginning.

SUNLIGHT Lode

BEGINNING at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed S. 1-3310, Whence:-
S. W. Cor. Sec. 31, T. 19 N., R. 19 W., G. & S. R.

Feet	B. & M. bears S. 79° 53' 20" E., 10427.40 ft. The 1/4 Cor. between Secs. 34 and 35, T. 19 N., R., 20 W., unapproved, G. & S. R. B. & M. bears N. 18° 37' W., 878.97 ft. No bearing objects available. Thence S. 30° 15' W.
74.08	Cor. No. 5 Gold Cup lode of this survey, and South angle corner Boulder lode, unsurveyed, S. W. Cor. said Boulder lode brs. N. 51° 51' W. 538.96 ft.
300.00	East end center. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed E. End C.-S.3310.
408.00	To Cor. No. 2. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed S.-2-3310. No bearing objects available. Thence N. 59° 45' W.
543.98	Cor. No. 1 Iowa lode of this survey, and intersect line 3-4 Gold Cup lode of this survey, S. 17° 54' W. 164.89 ft. from Cor. No. 4
1500.00	To Cor. No. 3. On line 5-1 Iowa lode of this survey. Identical with Cor. No. 2 Iowa Annex lode of this Survey. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed S.-3-I.A. 2-3310. No bearing objects available. Thence N. 30° 15' E.
108.00	West end center. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed W. End C.-S-3310.

Feet	
155.14	East end center Iowa Annex lode of this survey.
408.00	To Cor. No. 4
	On South side line Daisy lode, unsurveyed, claimants unknown.
	Identical with Cor. No. 1 Iowa Annex lode of this survey.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed S.-4-I.A.-1-3310.
	No bearing objects available.
	Thence S. 59° 45' E.
966.15	S. E. Cor. Daisy lode, unsurveyed, and S. W. Cor. Boulder lode, unsurveyed.
1400.00	Gulch, 10 ft. wide, course northeasterly and southwesterly.
1500.00	To Cor. No. 1, the place of beginning.
	GOLDEN GEM LODE.
	Beginning at Cor. No. 1, on West end line Cat Claw lode, unsurveyed, at S. 17° 54' W., 45 ft. from N.W. corner.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G.G.-1-3310, Whence: U. S.L.M. No. 3310 bears S. 51° 19' 30" E. 3608.76 ft.
	The 1/4 Cor. between Secs. 34 and 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M. bears S. 69° 04' 40" E., 2966.87 ft.
	No bearing objects available.
	Thence S. 17° 54' W.
115.00	Gulch, 10 ft. wide, course easterly and westerly.
215.00	Wagon road, course easterly and westerly.

Feet	
253.00	West end center, Cat Claw lode, unsurveyed.
324.00	East end center.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.-G-3310.
433.05	Intersect line 4-1 Iowa Extension lode of this survey, S. 62° 40' E. 67.08 ft. from Cor. No. 4.
542.07	S. W. Cor. Cat Claw lode, unsurveyed.
577.07	To Cor. No. 2.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G. G. 2-3310.
	No bearing objects available.
	Thence N. 49° 35' W.
71.63	Cor. No. 1, Missing Link lode of this survey, and intersect line 3-4 Iowa Extension lode of this survey, S. 17° 54' W. 127.59 ft. from Cor. No. 4.
245.00	Gulch, 10 ft. wide, course northerly and southerly.
1500.00	To Cor. No. 3.
	On line 4-1 Missing Link lode of this survey.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G. G.-3-3310.
	No bearing objects available.
	Thence N. 17° 54' E.
10.00	Wagon road, course easterly and westerly.
55.00	Gulch, 10 ft. wide, course easterly and westerly.
253.07	West end center.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed W. End C.-G.G.-3310.
577.07	To Cor. No. 4.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed G. G.-4-3310.

	No bearing objects available.
	Thence S. 49° 35' E.
1500.00	To Cor. No. 1, the place of beginning.
	<u>MISSING LINK LODE</u>
	Beginning at Cor. No. 1
	On line 2-3 Golden Gem lode of this survey, and line 3-4 Iowa Extension lode of this survey.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed K.L.-1-3310.
	Whence:- U. S. L.M. No. 3310 bears S. 60° 05' 10" E. 3517.95 ft.
	The 1/4 Cor. between Secs. 34 and 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M., bears S. 79° 29' 50" E., 3054.32 ft.
	No bearing objects available.
	Thence S. 17° 54' W.
171.41	West end center Iowa Extension lode of this survey.
202.41	Gulch, 10 ft. wide, course easterly and westerly.
324.00	East End Center
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.-M.L.-3310
472.41	Cor. Nos. 3-4 Iowa Extension and Washburn lodes of this survey.
634.00	To Cor. No. 2
	On line 3-4 Washburn lode of this survey.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed M. L.-3-3310.
	No bearing objects available.
	Thence N. 49° 35' W.

Feet	
1165.81	Intersect east end line Pointer lode, unsurveyed, claimants unknown, at S. 12° 59' W., 498.41 ft. from the N. E. Cor.
1500.00	<p>To Cor. No. 3.</p> <p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed M. I.-3-3310.</p> <p>Whence:- N. E. Cor. Pointer lode, unsurveyed, bears N. 53° 43' E., 454.55 ft.</p> <p>No bearing objects available.</p> <p>Thence N. 17° 54' E.</p>
310.00	<p>West end center.</p> <p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed W. End C.-M.I.-3310.</p>
463.31	Intersect North side line Pointer lode, unsurveyed, at N. 52° 30' W., 282.36 ft. from the N.E. corner.
624.00	Wagon road, course easterly and westerly.
634.00	<p>To Cor. No. 4.</p> <p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed M. I.-4-3310.</p> <p>No bearing objects available.</p> <p>Thence S. 49° 35' E.</p>
40.00	Wagon road, course easterly and westerly.
71.63	Cor. No. 3 Golden Gem lode of this survey.
1326.63	Gulch, 10 ft. wide, course northerly and southerly.
1500.00	To Cor. No. 1, the place of beginning.
	<u>IOWA ANNEX LODE</u>
	Beginning at Cor. No. 1.
	<p>Identical with Cor. No. 4 Sunlight lode of this survey, previously described: Whence:- U. S. I. M. No. 3310 bears S. 43° 30' E. 1541.76 ft.</p>

Feet	The 1/4 Cor. between Secs. 34 and 35 T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M. bears N. 85° 38' 40" E., 1018.10 ft. No bearing objects available. Thence S. 30° 15' W.
252.86	East end center. A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.-I. A.-3310.
300.00	West end center Sunlight lode of this survey.
408.00	To Cor. No. 2. Identical with Cor. No. 3 Sunlight lode of this survey, previously described. No bearing objects available. Thence N. 59° 45' W.
467.65	Gulch, 10 ft. wide, course easterly and westerly.
532.65	Cor. No. 5 Iowa lode of this survey, and intersect line 1-2 Iowa Extension lode of this survey, S. 17° 54' W. 158.82 ft. from Cor. No. 1.
700.00	Gulch, 10 ft. wide, course northwesterly and southeasterly.
1500.00	To Cor. No. 3. A redwood post 4 ft. long, 4 ins. square, set 18 ins. in the ground with mound of earth and rock, a nail at the corner point, scribed I. A.-3-3310. No bearing objects available. Thence N. 30° 15' E.
103.42	Intersect south side line Cat Claw lode, unsurveyed, at S. 74° 50' E., 490.59 ft. from the S. W. Cor., and N. 74° 50' W. 1008.89 ft. from the S. E. Corner, and N. 74° 50' W. 19.70 ft. from the intersection of line 4-1 Iowa Extension lode of this survey, with South side line Cat Claw lode, unsurveyed.
107.58	Intersect line 4-1 Iowa Extension lode of this survey.
155.14	West end center. A redwood post, 4 ft. long, 4 ins. square, set

Feet	18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed W. End C. I.A.-3310.
408.00	<p>To Cor. No. 4.</p> <p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point scribed I. A.-4-3310. Whence:-</p> <p>S. E. Cor. Cat Claw lode, unsurveyed, bears S. 57° 17' E., 975.04 ft.</p> <p>No bearing objects available.</p> <p>Thence S. 59° 45' E.</p>
964.92	<p>S. W. Cor. Daisy lode, unsurveyed, and intersect East end line Cat Claw lode, unsurveyed, at N. 17° 54' E., 43.04 ft. from the S. E. Cor. and S. 17° 54' W., 406.96 ft. from the N. E. Corner.</p>
1280.00	<p>Gulch 10 ft. wide, course northerly and southerly.</p>
1500.00	<p>To Cor. No. 1, the place of beginning.</p>
<u>WASHBURN LODE.</u>	
<p>Beginning at Cor. No. 1.</p>	
<p>On line 4-5 Iowa lode of this survey.</p>	
<p>Identical with Cor. No. 2 Iowa Extension lode of this survey, previously described: Whence:-</p>	
<p>U. S. L. M. No. 3310 bears S. 71° 45' E. 1961.16 ft.</p>	
<p>The 1/4 Cor. between Secs. 34 & 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M. bears N. 72° 15' 20" E., 1907.15 ft.</p>	
<p>No bearing objects available.</p>	
<p>Thence S. 17° 54' W.</p>	
65.91	<p>Cor. No. 4 Iowa lode of this survey.</p>
238.00	<p>East end center.</p>
<p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point, scribed E. End C.-W.-3310.</p>	
410.00	<p>To Cor. No. 2.</p>
<p>A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed W.-2-3310: Whence,</p>	

Feet	
	N. E. Cor. Cone View lode, unsurveyed, claimants unknown, bears N. $32^{\circ} 59'$ W. 104.52 ft.
	No bearing objects available.
	Thence N. $62^{\circ} 40'$ W.
83.46	Intersect East end line Cone View lode, unsurveyed, at S. $19^{\circ} 15'$ W. - 53.30 ft. from the N. E. Cor. and N. $19^{\circ} 15'$ E. - 547.70 ft. from the S. E. Corner.
1310.00	Gulch, 10 ft. wide, course easterly and westerly.
1499.32	To Cor. No. 3
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the corner point, scribed W.-3-3310
	No bearing objects available.
	Thence N. $17^{\circ} 54'$ E.
172.00	West end center.
	A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of earth and rock, a nail at the center point scribed W. End C.-W-3310.
183.06	Intersect north side line Cone View lode, unsurveyed, at N. $57^{\circ} 33'$ W. - 1444.26 ft. from N. E. Cor. and S. $57^{\circ} 33'$ E. - 28.44 ft. from N. W. Cor.
248.41	Cor. No. 2 Missing Link lode of this survey.
410.00	To Cor. No. 4.
	Identical with Cor. No. 3 Iowa Extension lode of this survey, previously described.
	No bearing objects available.
	Thence S. $62^{\circ} 40'$ E.
1499.32	To Cor. No. 1, the place of beginning.
	Variation at all Corners $14^{\circ} 40'$ E.

LODE LINES

As near as can be determined from present development, the veins of the several locations embraced in this claim, extend as follows, from their respective discovery points:-

Feet.

- Iowa lode, 540 ft. N.59°45'W.,- 930.40 ft. S.67°E.
- Iowa Extension lode, 165 ft. S.62°40'E.,-1334.32 ft. N.62°40'W.
- Gold Cup lode, 695 ft. S.77°10'E.,-805 ft. N.77°10'W.
- Gold Nugget lode, 150 ft. N.74°25'40"W.,-1348.32 ft. S.74°25'40"E.
- Sunlight lode, 650 ft. S.59°45'E.,-850 ft. N.59°45'W.
- Golden Gem lode, 195 ft. S.49°35'E.,-1305 ft. N.49°35'W.
- Missing Link lode, 78 ft. S.49°35'E.,-1422 ft. N.49°35'W.
- Iowa Annex lode, 265 ft. S.59°45'E.,-1235 ft. N.59°45'W.
- Washburn lode, 200 ft. S.62°40'E.,-1299.32 ft. N.62°40'W.

AREA.

Acres.

Total area Iowa lode,	16.904
Total area Iowa Extension lode,	20.372
Area in conflict with:-	
Cat Claw lode, unsurveyed,	0.638
Total area Gold Cup lode,	19.850
Area in conflict with:-	
Boulder lode, unsurveyed,	0.682
Total area Gold Nugget lode,	19.641
Area in conflict with:-	
Boulder lode, unsurveyed,	0.090
Jack Pot lode, unsurveyed,	1.301
Total area Sunlight lode,	14.050
Area in conflict with:-	
Gold Cup lode of this survey,	3.226
Boulder lode, unsurveyed,	0.454
Total area Golden Gem lode,	18.356
Area in conflict with:-	
Iowa Extension lode of this survey,	0.206
Total area Missing Link lode,	20.168
Area in conflict with:-	
Pointer lode, unsurveyed,	3.111
Total area Iowa Annex lode,	14.050
Area in conflict with:-	
Iowa Extension lode of this survey,	2.875
Cat Claw lode, unsurveyed,	3.871
Cat Claw lode, unsurveyed, exclusive of its conflict with,-	3.870
Iowa Extension lode of this survey,	3.966
Total area Washburn lode,	13.921
Area in conflict with:-	
Cone View lode, unsurveyed,	3.779
	3.640

The survey of each lode of this claim is identical with the respective locations as staked upon the ground.

LOCATION.

This survey is located in S.1/2 of N. 1/2, and N.1/2

Feet. of S. 1/2 of Sec. 34, and S. W. 1/4 of Sec. 35, T. 19 N., R. 20 W., unapproved, G. & S. R. B. & M.

ADJOINING CLAIMS.

On the North,-

Cat Claw, Daisy, Boulder and Jack Pot lodes, unsurveyed, claimants unknown.

On the South,-

Cone view and Pointer lodes, unsurveyed, claimants unknown.

On the west,-

Pointer lode, unsurveyed, claimants unknown.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of each of the locations embraced in said mining claim by the claimant, or its grantors, is not less than Five Hundred Dollars, and that said improvements consist of:-

On the Iowa lode:-

No. 1 The discovery cut and tunnel, the face of the tunnel being on the lode line S.59°45'E.-540 ft. from the west end center.

The tunnel is 4 x 6 ft., running S.48°45'W.-19 ft. from face to face of cut.

The Cut is 4 ft. wide, 10 ft. face, running S.48°45'W. 16 ft. from face to mouth.

In rock, mineralized andesite and quartz.

VALUE, - - - - - \$ 240.00

No. 2 A shaft 4 x 8 x 5 ft. deep, which bears from West end center S.60°E.-485 ft.

In mineralized andesite and quartz.

VALUE, - - - - - \$ 30.00

No. 3 A shaft 4 x 6 x 18 ft. deep, which bears from East end center N.67°30'W.-575 ft.

In mineralized andesite and quartz.

VALUE, - - - - - \$ 140.00

No. 4 A shaft 4 x 6 x 8 ft. deep, which bears from Cor. No. 3, N.46°15'W.-440 ft. In rock.

Feet. VALUE, - - - - - \$ 40.00

An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey, is credited to this lode.

VALUE, - - - - - \$1,923.33

On the Iowa Extension lode:-

No. 1 The discovery shaft, 4 x 6 x 40 ft. deep, which is on the lode line 165 ft. N.62°40'W from the East end center. In quartz vein.

VALUE, - - - - - \$ 320.00

No. 2 A cut, the mouth of which bears from Cor. No. 3, S.82°55'E.-585 ft., 4 ft. wide, running 13 ft. S.12°W. from mouth to 9 ft. face. In rock and vein material.

VALUE, - - - - - \$ 60.00

An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey, is credited to this lode.

VALUE, - - - - - \$1,923.33

On the gold Cup lode:-

No. 1 The discovery shaft 4 x 8 x 12 ft. deep, which is on the lode line 695 ft. N.77°10'W. from the East end center. In mineralized andesite and quartz.

VALUE, - - - - - \$ 100.00

No. 2 A cut 4 ft. wide, the mouth of which bears from East end center N.76°30'W.-700 ft. Cut runs from mouth S.73°E.-16 ft. to 13 ft. face. From face a tunnel 4 x 6 ft. runs S.73°E.-26 ft. to face.

In rock and vein material.

VALUE of cut and tunnel, - - - - - \$ 330.00

No. 3 A shaft 4 x 6 x 10 ft. deep, which bears from west end center S.59°55'E.-280 ft. In rock and vein material.

VALUE, - - - - - \$ 80.00

No. 4 A tunnel 4 x 6 ft., the mouth of which bears from West end center S.59°40'E.-270 ft., running from mouth N.85°W.-150 ft. to face, In rock and vein material.

VALUE, - - - - - \$1,500.00

No. 5 An incline shaft 4 x 6 ft. 310 ft. deep, timbered, which bears from West end center S.76°40'E.-655 ft. 4 x 6

Feet. ft., 310 ft. deep, timbered, incline S.20°W., at an angle of 82°

At a depth of 100 ft. a drift runs N.70°W.-27 ft., and a cross-cut from said drift at 7 ft. from the shaft runs S. 20°W.-12 ft. Also from shaft a drift runs S.80°E.117 ft. to face.

At a depth of 200 ft. a drift runs N.80°W.-172 ft., thence N.20°W.-6 ft. to face.

At 18 ft. from shaft, a winze 4 x 6 ft. 8 ft. deep, and at 42 ft. from shaft a cross-cut runs N.20°W. 15 ft. Also a drift runs S.87°E.-215 ft. and at 12 ft. from shaft, a cross-cut N.25°E.-60 ft. to face.

Also starting at south side of shaft, a cross-cut runs S.20°W.-12 ft. to face. At a depth of 285 ft. a drift runs N.80°W.-87 ft. to face. From said drift, at 25 ft. from shaft, a cross-cut runs south 10 ft. and at 70 ft. from shaft a cross-cut runs S.20°W.-18 ft. Also from shaft a drift runs S.80°E.-32 ft. to face, and at 10 ft. from shaft, cross-cuts are run south 6 ft. and north 4 ft. respectively.

All drifts and cross-cuts are 4 x 6-1/2 ft.

VALUE of shaft, 793 ft. of drifts and cross-cuts, and 8 ft. winze, - - - - - \$17,310.00

An undivided 1/9 interest is credited to this lode.

VALUE, - - - - - \$1,923.33

This shaft, being centrally located, is a practicable and feasible main working shaft for the group. The surface of the ground is rugged and the bottom level in the shaft is below the surface of all the claims of the group, and by drifting and cross-cutting in different directions towards and under all the claims, the entire group may be advantageously developed and ore extracted therefrom. This improvement is therefore a common improvement for the benefit of each lode of this group, and a 1/9 undivided interest of the total value of this improvement, (\$17,310.00) is properly accredited to each lode claim.

Feet.	On the Gold Nugget lode:-
No. 1	The discovery shaft 4 x 6 x 10 ft. deep, which is on the lode line 150 ft. S.74°25'40"E. from the West end center. In andesite.
	VALUE, - - - - - \$ 80.00
No. 2	A cut 4 ft. wide, the mouth of which bears from West end center, N.84°15'E.-153 ft. Cut runs from mouth S.6°00'W.-10 ft. to 8 ft. face. At face is a shaft 4 x 6 x 8 ft. deep. In quartz vein.
	VALUE of cut and shaft, - - - - \$ 110.00
	An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey, is credited to this lode.
	VALUE, - - - - - \$1,923.33
	On the sunlight Lode:-
No. 1	The discovery cut, the face of which is on the lode line 650 ft. N.59°45'W. from East end center, 4 ft. wide, running from mouth N.46°W.-16 ft. to 8 ft. face. In rock and mineralized andesite.
	VALUE, - - - - - \$ 80.00
	An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey, is credited to this lode.
	VALUE, - - - - - \$1,923.33
	On the Golden Gem lode:-
No. 1	The discovery shaft, 4 x 6 x 10 ft. deep, which is on the lode line, 195 ft. N.49°35'W. from the East end center. In mineralized andesite.
	VALUE, - - - - - \$ 80.00
No. 2	A cut, the mouth of which bears from West end center N.71°45'E.-85 ft., 4 ft. wide, running from mouth N.42°30'E.-18 ft. to 9.5 ft. face. In rock.
	VALUE, - - - - - \$ 90.00
	An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey is credited to this lode.
	VALUE, - - - - - \$1,923.33
	On the Missing Link:-
No. 1	The discovery shaft, 4 x 6 x 10 ft. deep, which is on

Feet. the lode line, 78 ft. N.49°35'W. from the East end center. In quartz and mineralized andesite.
 VALUE, - - - - - \$ 80.00

No. 2 A cut, the mouth of which bears from East end center, N.60°20'W.-135 ft., 4 ft. wide, running from mouth East 18 ft. to 10 ft. face, In vein matter.
 VALUE, - - - - - \$ 90.00

No. 3 A cut, the mouth of which bears from East end center, N.61°10'W.-190 ft., 4 ft. wide, running from mouth S.23°E. 18 ft. to 9 ft. face. In rock and vein material.
 VALUE, - - - - - \$ 90.00

No. 4 A cut, the mouth of which bears from East end center, N.58°40'W.-250 ft., 4 ft. wide, running from mouth S.63°W.-10 ft. to 8 ft. face. In rock and vein material.
 VALUE, - - - - - \$ 50.00

An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey, is credited to this lode.
 VALUE, - - - - - \$1,923.33

On the Iowa Annex lode:-

No. 1 The discovery cut, the mouth of which is on the lode line 265 ft. N.59°45'W. from the East end center, 4 ft. wide, running from mouth S.20°E.-18 ft. to 10 ft. face. In rock.
 VALUE, - - - - - \$ 90.00

An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey, is credited to this lode.
 VALUE, - - - - - \$1,923.33

On the Washburn lode:-

No. 1 The discovery shaft, 4 x 8 x 8 ft. deep, which is on the lode line, 200 ft. N.62°40'W. from the East end center. In rock.
 VALUE, - - - - - \$ 64.00

An undivided 1/9 interest in improvement No. 5, Gold Cup lode of this survey is credited to this lode.
 VALUE, - - - - - \$1,923.33

OTHER IMPROVEMENTS

A cut, the mouth of which bears from Cor. No. 2, Missing Link lode of this survey, N. 46° 40' W.-660 ft., 4 ft. wide, running from mouth West 16 ft. to 8 ft. face. In rock. Claimants unknown.

A corrugated iron shaft-house, 14 x 22 ft. The center of the North side bears S. 20° W.-40 ft. from center of deep shaft. (Improvement No. 5 Gold Cup lode of this survey). Course of long side N. 70° W.

In the shaft-house is a complete plant of machinery for hoisting and mining purposes.

A corrugated iron blacksmith-shop, 18 x 20 ft. The North side is on line with the North side of the shaft-house, and 40 ft. easterly therefrom. Course of long side N. 70° W.

These last mentioned improvements belong to claimant herein.

INSTRUMENT

This survey was made with a C. L. Berger mining transit. The courses were deflected from the true meridian, as determined by direct solar observations. The distances were measured with 100 ft. and 500 ft. steel tapes.

REPORT

The lode lines of each location of this claim were run upon the ground, and the several corners established by means of offsets from the lode lines.

All tie lines were run upon the ground.

The S. W. Cor. of Sec. 31, T. 19 N., R. 19 W., G. & S. R. B. & M., is a volcanic rock, 12 x 8 ins. 15 ins. above ground, chiseled IIIIII on four sides, and XIXN-XVIIIN and XIXW-XXW.

The 1/4 Cor. between Secs. 34 and 35, T. 19 N. R. 20 W., unapproved, G. & S. R. B. & M., is a 1 inch iron pipe, with brass cap, properly set and marked.

U. S. L. M. No. 3310 is a pine post 8 ins. square, 6 ft. high set in a mound of stone 6 ft. at base and 4 ft. high, scribed U. S.L.M.-3310 on South side.

Cat Claw lode, unsurveyed.

All corners are 4 inch posts, properly set and marked.

Daisy lode, unsurveyed.

All corners are 4 inch posts, properly set and marked.

Boulder lode, unsurveyed.

All corners are 4 inch posts, properly set and marked.

Jack Pot lode, unsurveyed.

All corners are 4 inch posts properly set and marked.

Cone View lode, unsurveyed.

All corners are 4 inch posts, properly set and marked.

Pointer lode, unsurveyed.

The northeast corner and the east end center are monuments of rock. The other corners and west end center were not found, after diligent search. The lode line was established by running a direct line from the east end center to the location monument of rock, 4 ft. base, 3 ft. high, in which was a tin can containing the location notice. The side lines were established by off-sets 300 ft. from the lode line.

NOTE: The disagreements between these field notes and the location certificates are due to errors in the latter.

The lode line of the Iowa lode as defined by the respective end centers and the discovery point is coincident with the outcrop of the vein as shown upon the ground.

FIELD NOTES of U. S. L. M. No. 3310.

Owing to the fact that five of the lodes of this survey are more than two miles from an approved corner of the Public Survey, and at least one of the lodes is more than two miles from the nearest U. S. Locating Monument (being U. S. L. M. No. 2512) U. S. L. M. No. 3310 was established in this survey, and is described as follows:

On a prominent point on the ridge between the "Iowa" Gulch and "Lazy Boy" gulch. I set a pine post 8 ins. square 8 ft. long, set 2 ft. in the ground, surrounded by a conical mound of stone 6 ft. at base and 4 ft. high, with a nail in center of post: Whence:-
The south face of a prominent outcrop of andesite, 3 ft. high and 6 ft. long bears N. 19° 34' E. 34.68 ft. chiseled with a cross (X) and B. R.- U. S. L. M.-3310.
Cor. No. 2 Sur. No. 3310 Sunlight lode bears N 70° 30' E. 30.70 ft.

The 1/4 Cor. between Secs. 34 and 35 T. 19, N. R. 20 W., unapproved, G. & S. R. B. & M. bears N. 2° 12' 30" W. 1196.56 ft.

The S. W. Cor. Sec. 31 T. 19 N., R. 19 W., G. & S. R. B. & M. bears S. 82° 02' 30" E. 10602.10 ft.

The top of head-frame over Iowa main working shaft bears S. 87° 57' E. 155. ft.

Top of Headframe over Esperanza main working shaft bears S. 26° 55' W.

Flag on Boundary Cone peak bears S. 84° 51' W.

Flag on Wrigley peak bears S. 0° 20' W.

No connection is given to U. S. L. M. No. 2512, owing to the fact that there are three high, rugged mountain ridges with deep intervening canons to cross, which would make the work very difficult and the chances of error very great.

Respectfully
Edward L. Hoff
U.S. Min. Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edward L. Haff

United States ~~Deputy~~ Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of

Iowa Gold Mines Company

known as the Iowa, Iowa Extension, Gold Cup, Gold Nugget, Sunlight, Golden Gem, Missing Link, Iowa Annex, and Washburn lodes. and showing the respective capacities in which they acted.

R.L.D'Arcy, Chairman.

....., Chairman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

~~we~~ I R.L.D'Arcy

and, do solemnly swear that ~~we~~ assisted Edward L. Haff

....., United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Iowa Gold Mines Company

known as the Iowa, Iowa Extension, Gold Cup, Gold Nugget, Sunlight, Golden Gem, Missing Link, Iowa Annex and Washburn lodes. represented in the foregoing field notes as having been surveyed by said ~~deputy~~ mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona

R.L. D'Arcy, Chairman.

....., Chairman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 21st

day of August, 19 16.

[Signature]
Notary Public

AUG. 23 1916

(4-686.)

MAR 7 - 1917

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, Edward L. Haff, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 8-1916, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Iowa Gold Mines Company known as the Iowa, Iowa Extension, Gold Cup, Gold Nugget, Sunlight, Golden Gem Missing Link, Iowa Annex and Washburn lodes. situate in San Francisco Mining District, Mohave ~~Unapproved~~ County, Arizona, in Sections 34 and 35 ~~Unapproved~~ Township No. 19 N., Range No. 20 W. ~~Unapproved~~ G. & S. R. B. & M. and designated as Survey No. 3310, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Edward L. Haff
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Edward L. Haff,
 U. S. ~~Deputy~~ Mineral Surveyor, before me a Notary Public in and for
Mohave County, Arizona this 21st
 day of August 1916,

R. M. Lewis
 Notary Public

My Commission Expires, March 13, 1920.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P. M., May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES CO.

N. H. Burley

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco

.....Mining District, hereby make and file thisamended location of the Iowa.....Lode, claiming by right of discovery, location, primal appropriation and possession 1470..... feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold, silver..... and other valuable minerals, with all dips, variations and angles the same being 540..... feet along the ledge in a N. 59° 49' W. direction from the discovery stake and 930..... feet along the ledge in a S. 66° 10' E. direction therefrom, together with feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco.....Mining District, County of Mohave....., State of Arizona, in and more particularly described as follows, to-wit:

Beginning at the N. E. Cor. whence the E. 1/4 Cor. of Sec. 34, unapproved T. 19 N. R. 20 W., G. & S. R. B. & M. bears N. 23° 30' 55" E. 993.02 ft. Thence S. 17° 54' W. 200.07 ft. to the East End Center. Thence S. 17° 54' W. 300 ft. to the S. E. Cor. Identical with the S. W. Cor. of the Gold Cup lode Thence N. 77° 10' W. 274.33 ft. to the south angle Cor. Thence S. 58° 35' W. 1213 ft. to the S. W. Cor. Thence N. 17° 54' E. 200 ft. to the West End Center. Thence N. 17° 54' E. 307.11 ft. to the N. W. Cor. Thence S. 59° 45' E. 1487.08 ft. to the place of beginning.

Variation at all corners 14° 40' E. All corners and both end centers are pine posts 4 ft. long, 4 ins. square, properly set and marked.

THIS AMENDED LOCATION is made in conformity with the original location, made Jany. 28 1902, recorded April 1st 1902, in Book U, Page 127, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery Jany. 28 A. D. 1902.
Date of Amended Location April 22 A. D. 1916.

Attest _____ Iowa Gold Mines Co.
By N. H. Burley, Supt.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P. M., May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES CO.

By N. H. Burley

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco

..... Mining District, hereby make and file this amended location of the Iowa Extension Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold, silver and other valuable minerals, with all dips, variations and angles the same being 165 shaft feet along the ledge in a S. 62° 40' E. direction from the discovery ~~state~~ and 1335 feet along the ledge in a N. 62° 40' W. direction therefrom, together with feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco Mining District, County of Mohave, State of Arizona, in and more particularly described as follows, to-wit:

- Beginning at the N. E. Cor. whence E. 1/4 Cor. Sec. 34, unapproved T. 19 N. R. 20 W., G. & S. R. B. & M. bears N. 89° 38' 20" E. 1632.01 ft.
- Thence S. 17° 54' W. 158.82 ft. to the N. W. Cor. of the Iowa lode.
- Thence S. 17° 54' W. 141.18 ft. to the East End Center
- Thence S. 17° 54' W. 300 ft. to the S. E. Cor.
- Thence N. 62° 40' W. 1500 ft. to the S. W. Cor.
- Thence N. 17° 54' E. 300 ft. to the West End Center.
- Thence N. 17° 54' E. 300 ft. to the N. W. Cor.
- Thence S. 62° 40' E. 1500 ft. to the place of beginning.
- Variation at all corners 14° 40' E.
- All corners and both end centers are pine posts 4 ft. long, 4 ins. square, properly set and marked.

By J. H. More

THIS AMENDED LOCATION is made in conformity with the original location, made April 15, 1915, recorded 1....., in Book K.K., Page 330, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery April 15 A. D. 1915
Date of Amended Location April 22 A. D. 1916

Attest Iowa Gold Mines Co.
By N. H. Burley, Supt.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P. M., May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy.

Amended Location Certificate

3310-1916

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES CO.

By N. H. Burley

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco Mining District, hereby make and file this amended location of the Gold Cup Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold, silver and other valuable minerals, with all dips, variations and angles the same being 695 feet along the ledge in a S. 77° 10' E. direction from the discovery ~~shaft~~ shaft 805 and 805 feet along the ledge in a N. 77° 10' W. direction therefrom, together with _____ feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco Mining District, County of Mohave, State of Arizona, in _____ and more particularly described as follows, to-wit:

Beginning at the N. W. Cor.

Whence E. 1/4 Cor. of Sec. 34, unapproved T. 19 N. R. 20 W.

G. & S. R. B. & M. bears

N. 24° 31' 30" E. 842.20 ft.

Thence S. 17° 54' W. 300 ft. to the West End Center.

Thence S. 17° 54' W. 300 ft. to the S. W. Cor.

Identical with the S. E. Cor. of the Iowa lode

Thence S. 77° 10' E. 1500 ft. to the S. E. Cor.

Thence N. 17° 54' E. 300 ft. to the East End Center.

Thence N. 17° 54' E. 243 ft. to the N. E. Cor.

Thence N. 74° 03' 45" W. 891.84 ft. to the south angle Cor. of the Boulder lode.

Thence N. 76° 21' 50" W. 604.49 ft. to the place of beginning.

Variation at all corners 14° 40' E.

All corners and both end centers are pine posts, 4 ft. long, 4 ins. square, properly set and marked.

THIS AMENDED LOCATION is made in conformity with the original location, made 27th 1 Jany., recorded April 1- 1902, in Book U, Page 125, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery Jany. 27 A. D. 1902

Date of Amended Location April 22 A. D. 1916

Attest

Iowa Gold Mines Co.

By N. H. Burley, Supt.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P. M., May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES CO.

by N. H. BURLEY

the undersigned citizen.... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco Mining District, hereby make and file this amended location of the Gold Nugget Lode, claiming by right of discovery, location, primal appropriation and possession 1497.76 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold, silver and other valuable minerals, with all dips, variations and angles the same being 150 feet along the ledge in a N. 74°13'30" W direction from the discovery ~~state~~ shaft and 1347.76 feet along the ledge in a S. 74°13'30"E. direction therefrom, together with feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco Mining District, County of Mohave, State of Arizona, ~~xxx~~ and more particularly described as follows, to-wit:

Beginning at the N. W. Cor. whence W. 1/4 Cor. of Sec. 35, unapproved T. 19 N. R. 20 W., G. & S. R. B. & M. bears N. 43°57'10"W., 1586.11 ft.

Thence S. 76° 24' E. 1500.98 ft. to the N. E. Cor.

Thence S. 17° 54' W., 300 ft. to the East End Center.

Thence S. 17° 54' W. 300 ft. to the S. E. Cor.

Thence N. 74° 13' 30" W., 1497.76 ft. to the S. W. Cor.

Identical with the S. E. Cor. of the Gold Cup lode

Thence N. 17° 54' E., 300 ft. to the West End Center.

Thence N. 17° 54' E. 243 ft. to the place of beginning.

Variation at all corners 14° 40' E.

All corners and both end centers are pine posts 4 ft. long, 4 ins. square, properly set and marked.

THIS AMENDED LOCATION is made in conformity with the original location, made Jany. 27- 1902, recorded April 1st 1.902, in Book U, Page 126, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery Jany. 27-1902 A. D. 1.....

Date of Amended Location April 22- A. D. 1916

Attest

Iowa Gold Mines Co.

by N. H. Burley, Supt.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P.M., May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.

By Thos. McNeely, Deputy.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES COMPANY

by N. H. Burley

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco

.....Mining District, hereby make and file thisamended location of the SUNLIGHT Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold, silver and other valuable minerals, with all dips, variations and angles the same being 650 feet along the ledge in a southeast direction from the discovery cut stake and 850 feet along the ledge in a northwest direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco Mining District, County of Mohave, State of Arizona, in and more particularly described as follows, to-wit:

- Beginning at the Northwest corner, whence the 1/4 Sec. Cor. between sections 34 and 35, T. 19 N. R. 20 W. bears N. 85° 38' 50" E. - 1018.08 ft.
- Thence S. 59° 45' E. - 1500 ft. to the Northeast corner.
- Thence S. 30° 15' W. - 300 ft. to the southeast end center.
- Thence S. 30° 15' W. - 108 ft. to the southeast corner.
- Thence N. 59° 45' W. - 1500 ft. to the southwest corner.
- Thence N. 30° 15' E. - 108 ft. to the northwest end center.
- Thence N. 30° 15' E. - 300 ft. to the place of beginning.
- All corners and end centers are marked by 4 x 4 in. posts.

By J. H. More

THIS AMENDED LOCATION is made in conformity with the original location, made March 20 1915, recorded 1, in Book K.K., Page 244, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery March 20 - 1915 A. D. 1
Date of Amended Location April 22 - 1916 A. D. 19

Attest Iowa Gold Mines Company
By N. H. Burley, Supt.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P. M.,
May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave
County, Arizona.

J. W. Morgan, County Recorder.

By Thos. McNeely, Deputy.

Amended Location Certificate

36
34

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES CO.

by N. H. Burley

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco

..... Mining District, hereby make and file this amended location of the Golden Gem Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing Gold, silver and other valuable minerals, with all dips, variations and angles the same being 195 feet along the ledge in a S. 49° 35' E. direction from the discovery shaft and 1305 feet along the ledge in a N. 49° 35' W. direction therefrom, together with feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at the N. E. Cor. whence the E. 1/4 Cor. Sec. 34 unapproved T. 19 N. R. 20 W., G. & S. R. B. & M., bears S. 69° 04' 20" E., 2964.95 ft.

N. W. Cor. of the Cat Claw claim bears N. 17° 54' E., 45 ft.

Thence S. 17° 54' W., 324 ft. to the East End Center.

Thence S. 17° 54' W., 253.07 ft. to the S. E. Cor.

Thence N. 49° 35' W. 1500 ft. to the S. W. Cor.

Thence N. 17° 54' W., 253.07 ft. to the West End Center.

Thence N. 17° 54' E., 324.00 ft. to the N. W. Cor.

Thence S. 49° 35' E., 1500 ft. to the place of beginning.

Variation at all corners 14° 40' E.
All corners and both end centers are pine posts properly set and marked.

By E. M. Caplin

THIS AMENDED LOCATION is made in conformity with the original location, made Nov. 16 1915, recorded 1, in Book _____, Page _____, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery Nov. 16 A. D. 1915.

Date of Amended Location April 22 A. D. 1916.

Attest _____ Iowa Gold Mines Co.
by N. H. Burley, Supt.

Recorded at the request of Iowa Gold Mines Co. at One o'clock P. M., May 16th, 1916, in Book P.P. of Mining Claims, page _____, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That IOWA GOLD MINES CO.

by N. H. Burley

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of San Francisco

..... Mining District, hereby make and file this amended location of the Missing Link Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold, silver and other valuable minerals, with all dips, variations and angles the same being 78 feet along the ledge in a S. 49° 35' E. direction from the discovery ~~stake~~ shaft and 1422 feet along the ledge in a N. 49° 35' W. direction therefrom, together with feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in San Francisco Mining District, County of Mohave, State of Arizona, in and more particularly described as follows, to-wit:

Beginning at the N. E. Cor. whence the E. 1/4 Cor. Sec. 34, unapproved T. 19 N. R. 20 W., G. & S. R. B. & M. bears S. 79° 29' E. 3054. 25 ft.

Thence S. 17° 54' W. 324 ft. to the East End Center.

Thence S. 17° 54' W. 310 ft. to the S. E. Cor.

Thence S. 49° 35' W. 1500 ft. to the S. W. Cor.

Thence N. 17° 54' E. 310 ft. to the West End Center.

Thence N. 17° 54' E. 324 ft. to the N. W. Cor.

Thence S. 49° 35' E. 1500 ft. to the place of beginning.

Variation at all corners 14° 40' E.

All corners and both end centers are pine posts 4 ft. long, 4 ins. square, properly set and marked.

By Joe Frueler, A. Van Zant

THIS AMENDED LOCATION is made in conformity with the original location, made July 31 1915, recorded 1....., in Book L.L., Page 151, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery July 31- A. D. 1915

Date of Amended Location April 22 A. D. 1916

Attest

Iowa Gold Mines Co.

By N. H. Burley, Supt.

Notice of Mining Location

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the IOWA ANNEX
Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Iowa Gold Mines Company

By N. H. Burley, a citizen of the United States
(Locator must insert either "a citizen of the United States," or "who has declared his intention to become a citizen of the United States.")
the undersigned, on the 18th day of March, 1916

The length of this claim is 1500 feet,
and I claim 265 feet,
in a Southeast direction and 1235

feet in a Northwest direction from
the center of the discovery ^{cut} stat, at which this notice is posted, lengthwise of the claim, together with
300 feet in width of the surface grounds, on each side
of the center of said claim. The general course of the lode deposit and premises is from the

Southeast to the Northwest
The claim is situated and located in the San Francisco Mining District, in
Mohave County in the State of Arizona, about

in a direction from
From the northeast corner the 1/4 Sec. Cor. between
Sec. 34 & 35 T. 19 N. R. 20 W. bears N. 85°38'50"E. -1018.08 ft.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
a 4 x 4 in. post

at a point in a S. 59°45'E. direction 265 feet from
the discovery ^{cut} stat (at which this notice is posted), being in the center of the southeast
end line of said claim; thence S. 30°15'W. -155.14 feet to a 4 x 4 in. post
, being the Southeast corner of said claim; thence
N. 59°45'W. -1500 feet to a 4 x 4 in. post, being at the
southwest corner of said claim; thence N. 30° 15'E. -155.14 feet
to a 4 x 4 in. post at the center of the Northwest end of said claim;
thence N. 30°15'E. -252.86 feet to a 4 x 4 in. post being at the
Northwest corner of said claim; thence S. 59°45'E. -1500 feet
to a 4 x 4 in. post at the Southeast corner of said claim;
thence S. 30°15' W. -252.86 feet to the place of beginning.

Dated and posted on the grounds this 18th day of March, 1916

Iowa Gold Mines Company

by N. H. Burley, Supt.

Filed and Recorded at request of Iowa Gold Mines Co., May 16th,
A.D. 1916, at One Oclock P. M., Book Q.Q. at Page
J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy Recorder.

Notice of Mining Location

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the WASHBURN Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by IOWA GOLD MINES COMPANY

By N. H. Burley, a citizen of the United States
(Locator must insert either "a citizen of the United States," or "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 9th day of March, 1916

The length of this claim is 1500 feet,
and I claim 200 feet,
in a southeast direction and 1300
feet in a northwest direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with
300 feet in width of the surface grounds, on each side
of the center of said claim. The general course of the lode deposit and premises is from the

Southeast to the Northwest

The claim is situated and located in the San Francisco Mining District, in
County in the State of Arizona, about

in a direction from
From the north east corner, the 1/4 Sec. Cor. between
sections 34 and 35 T. 19 N. R. 20 W. bears N. 72° 15' 20"E.
1907.14 ft.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
a 4 x 4 in. post

at a point in a southeast direction 200 feet from
the discovery shaft (at which this notice is posted), being in the center of the southeast
end line of said claim; thence S. 17° 54' W.-172 feet to a 4 x 4 in. post
being the southeast corner of said claim; thence
N. 62° 40' W.-1500 feet to a 4 x 4 in. post, being at the
southwest corner of said claim; thence N. 17° 54' E.-172 feet
to a 4 x 4 in. post at the center of the northwest end of said claim;
thence N. 17° 54' E. 238 feet to a 4 x 4 in. post being at the
northwest corner of said claim; thence S. 62° 40' E.-1500 feet
to a 4 x 4 in. post at the northeast corner of said claim;
thence S. 17° 54' W.-238 feet to the place of beginning.

Dated and posted on the grounds this 9th day of March, 1916

Iowa Gold Mines Company

By N. H. Burley, Supt.

Filed and Recorded at request of Iowa Gold Mines Co., May 16th,
A.D. 1916, at One Oclock P. M., Book Q.Q. at Page

J. W. Morgan, County Recorder.
By Thos. McNeely, Deputy Recorder.

RECORDER'S CERTIFICATE.

STATE OF ARIZONA,)
):-SS.
County of Mohave.)

I, J. W. Morgan, Recorder of Mohave County, State of Arizona, do hereby certify that I have compared the foregoing copies of amended location certificates of the GOLD CUP, GOLD NUGGET, IOWA, SUNLIGHT, IOWA EXTENSION, MISSING LINK, GOLDEN GEM lode mining claims and of original notices of location of the WASHBURN and IOWA ANNEX lode mining claims, all located and situated in the San Francisco mining district, Mohave County, State of Arizona, and of the endorsements thereon with the original records thereof on file in this office and that the same are correct transcripts therefrom and of the whole of said original records.

WITNESS my hand and official seal this 18th day of May,

A. D. 1916.

J. W. MORGAN,
Recorder of Mohave County,
State of Arizona.

By J. W. Morgan
Deputy.



U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 5, 1917.

I, U. S. Surveyor-General for District of Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

IOWA GOLD MINES CO.

known as the IOWA, IOWA EXTENSION, GOLD CUP, GOLD NUGGET, SUNLIGHT, GOLDEN GEM, MISSING LINK, IOWA ANNEX AND WASHBURN LODES. situate in SAN FRANCISCO

Mining District, MOHAVE County, ARIZONA.

in Sections 34 & 35, Township No. 19 N., Range No. 20 W., unapp'd., and designated as Survey No. 3310

has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or its grantors, and that said improvements consist of 10 cuts, 3 tunnels, 12 shafts, 1 winze and 793 ft. of drifts and crosscuts, total value \$21054.

As improvement No. 5 on the Gold Cup lode is a common improvement for the benefit and development of this entire group of claims, an undivided one-ninth interest therein, value \$1,923.33, is properly credited to each of the claims in this survey.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,

Arizona is correct and in conformity with the foregoing Field Notes.

Frank P. Trott,

United States Surveyor-General for Arizona.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 5, 1917.

I, U. S. Surveyor-General for District of Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

IOWA GOLD MINES CO.

known as the IOWA, IOWA EXTENSION, GOLD CUP, GOLD NUGGET, SUNLIGHT, GOLDEN GEM, MISSING LINK, IOWA ANNEX AND WASHBURN LODES.

situate in SAN FRANCISCO mining district,

MOHAVE County, ARIZONA.

in Sections 34 & 35, Township No. 19 N., Range No. R. 20 W. unapp'd.

designated as Survey No. 3310

executed by Edward L. Haff, U. S. Deputy Mineral

Surveyor, June 15--August 14, 1916, under my instructions dated

June 8, 1916, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Handwritten signature of Frank O. Frost

U. S. Surveyor-General for Arizona.