

MINERAL SURVEY No. 4199

ARIZONA Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Indium Corporation of America

KNOWN AS THE

20th. Century, Empress, Relief, Ready Cure, Billican, Buffer and Gray Eagle lodes, Wallapai Mining District,

Mohave County, Arizona

Section 10-11-14*15, Township 23 North, Range 18 West

Surveyed under instructions dated June 26, 1937

By L. H. Foster, E. E. Mineral Surveyor, G. L. O.

Claim located See back hereof, 19

Survey commenced Dec. 6, 1937

Survey completed January 10, 1938

Address of claimant c/o Charles P. Elmer, Atty Box 107, Kingman, Arizona

DATES OF AMENDED LOCATIONS

May 22, 1937

20th. Century located	January, 1, 1901
Empress "	Sept. 5, 1925
Relief "	Oct. 23, 1909
Ready Cure "	Jan. 15, 1908
Billican "	Oct. 27, 1914
Buffer "	July 20, 1915
Gray Eagle "	Sept. 7, 1925

FIELD NOTES

OF THE BUREAU OF THE MINE AND GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY

REPORT

20th Century, Empress, Relief, Ready Cure, Billican, Buffer and

Mining District

Arizona

County

Section

Section 10-11-12 Township 22 North Range 20 West

Map and cross-sections June 28, 1907

By I. H. Foster

U. S. Geological Survey

W. H. C.

This report was prepared by I. H. Foster

under the direction of the Chief of the Bureau of the Mine and Geological Survey

and published by the Bureau of the Mine and Geological Survey

Washington, D. C., 1907

U. S. GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Survey No. 4199

feet

Mineral Survey No. 4199 was made with a C.L. Berger and Sons transit, with 5 in. plates, equipped with a direct solar eye piece, all in first class condition and adjustment, An A. M. observation of the sun for azimuth and an obsevation at noon for latitude were taken at the point of beginning. Time used was Pacific and checked by Western Union. Details of the observation are shown on the accompanying calculation sheets. All Azimuths in this record are referred to the true meridian thus determined, by the method of deflection^{angles} and calculated courses

All lines were run by direct methods and measured with a 100' and 500' ~~foot~~ steel tape.

Variation at all corners of the survey is 15° 30' East.

Ready Cure lode

Beginning at Cor. No. 1.

Found a 2 in. iron pipe, with a steel cap, set in the ground, in a mound of earth and stone, which I stamped RC-I-4199.

Identical with Cor. No. 3, Pinkham lode, Sur. No. 525.

The corner of sections 10-11-14-15, T. 23 N.R. 18 W.

G. & S.R. B. & M. bears S. 17° 17' E. 371.00 feet.

Thence S. 40° 22' E.

72.37 Intersect line 1-4, Midnight lode, Sur. No. 3557 and the north side line of Bay State lode, unsurveyed, at N. 66° 34' W. 57.88 ft. from Cor. No. I and the north east corner, respectively.

136.90 Intersect the esterly end line, Bay State lode, unsur. at S. 23° 23' W. 28.49 ft. and N. 23° 23' E. 570.81 ft. from the northeast corner, which is Identical with Cor. No. I, Midnight lode, Sur. No. 3557, and the southeast corner, respectively.

1500.00 To Cor. No. 2.

Found a 2 in. iron pipe, with steel cap, set in ground, in a mound of earth and stone, which I marked RC-2-4199.

Identical with Cor. No. 2, Pinkham lode, Sur. No. 525, and with Cors No. 1, 20th. Century and Relief lodes, this survey.

Survey No. 4I99, cont.,

feet

Ready Cure lode, cont.,

Thence S. $12^{\circ} 23'$ W.

376.88 To the easterly end center monument of the location.

600.00 To Cors. No. 4 and I, Relief and Billican lodes, this survey, respectively

753.76 To Cor. No. 3.

Set a 2 in. iron pipe, 4 ft. long, with a steel cap, 30 in. in the ground, in a mound of earth and stone, stamped RC-3-4I99.

Thence N. $40^{\circ} 22'$ W.

1500.00 To Cor. No. 4.

A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground, in a mound of earth and stone, stamped RC-4-4I99.

Thence N. $12^{\circ} 23'$ E.

110.56 To a stone, set in the ground, marked BS, the southeasterly corner of Bay State lode, unsurveyed.

376.88 To the westerly end center monument of the location.

721.20 Intersect line I-4, Midnight lode, Sur. No. 3557 and the northerly side line Bay State lode, unsurveyed, at N. $66^{\circ} 34'$ W. 116.58 ft. from Cor. No. I and the northeast corner, respectively.

753.76 To Cor. No. I the place of Beginning.
All corners are identical with the location.

20th. Century lode

at

Beginning Cor. No. I.

Found a 2 in. iron pipe, previously described, which I stamp 20C-I-4I99.

Identical with Cor. No. 2, Pinkham lode, Sur. No. 525, and Cors. No. I and 2, Relief and Ready Cure lodes, this survey, respectively.

The corner of sections 10-II-I4-I5 bears N. $47^{\circ} 31'$ W. 1167.80 ft.

Thence N. $49^{\circ} 38'$ E.

Survey No. 4199, cont.,

feet

20th. Century lode, cont.,

feet

300.00 To the westerly end center monument of the location.

600.00 To Cor. No. 2
Found a 2 in. iron pipe, with steel cap, set in the ground in a mound of earth and stone, which I stamped 20C-2-4199.

Identical with Cor. No. 6, Pinkham lode, Sur. No. 525.
Thence S. 70° 56' E.

1500.00 To Cor. No. 3.
Set a 2 in. iron pipe, 4 feet long, with a steel cap, set 2 feet in the ground in a mound of earth and stone, stamped 20C-3-4199

Thence S. 49° 38' W.

77.34 To Cor. No. 2, Buffer lode, this survey.

300.00 To the easterly end center monument of the location.

600.00 To Cor, No. 4
Set a 2 in. iron pipe, 4 feet long, with a steel cap, 2 feet in the ground in a mound of earth and stone, stamped 20C-4-4199.

Identical with Cor. No. 2, Relief lode, this survey.

1500.00 Thence N. 70° 56' W.
To Cor. No. 1, the place of beginning.

All corners are identical with the location.

Relief lode.

at Beginning Cor. No. 1.

A 2 in. iron pipe, previously described, stamped R.1-4199.

Identical with Cor. No. 2, Pinkham lode, Sur. No. 525, and Cors. No. 1 and 2, 20th. Century and Ready Cure lodes, this survey, respectively.

Survey No. 4199, cont.,

feet	Relief lode, cont.,
	The corner of sections 10-II-14-15 bears N. 047° 31' W. 1167.80 feet
	Thence S. 70° 56' E.
1500.00	To Cor. No. 2
	A 2 in. Iron pipe, previously described, stamped R-2-4199.
	Identical with Cor. No. 4, 20th. Century lode, this survey, and on line 1-2 Buffer lode, this survey, N. 49° 38' E. 103.54 ft. from Cor. No. 1.
	Thence S. 12° 23' W.
106.00	To Cor. No. 1, Empress lode and intersect line
	1-4, Buffer lode, both of this survey, at S. 57° E. 66.96 ft. from Cor. No. 1 Buffer lode.
300.00	To the easterly end center monument of the location.
600.00	To Cor. No. 3
	Set a 2 in. iron pipe, 4 feet long, with a steel cap, 2 ft. in the ground, in a mound of earth and stone, stamped R-3-4199.
	Identical with Cor. No. 2, Billican lode, this survey.
	Thence N. 70° 56' W.
1500.00	To Cor. No. 4
	Set a 2 in. iron pipe, 4 ft. long, with a steel cap, 2 ft. in the ground in a mound of earth and stone, stamped R-4-4199.
	Identical with Cor. No. 1, Billican lode and on line 2-3 Ready Cure lode, both of this survey.
	Thence N. 12° 23' E.
300.00	To the westerly end center monument of the location.
600.00	To Cor. No. 1, the place of beginning.
	All corners are identical with the location.
	Billican lode
	at
	Beginning Cor. No. 1.
	A 2 in. iron pipe, previously described, stamped B-1-4199
	Identical with Cor. No. 4 Relief lode, this survey.

Survey No. 4199, cont.,

8 Y

feet

Billicanlode, cont.,

feet

The corner of sections 10-11-14-15 bears N. 28° 03' W. 1557.70 feet.

Thence S. 70° 56' E.

1500.00

To Cor. No. 2

A 2 in. iron pipe, previously described, stamped

B-2-4199

Identical with Cor. No. 3, Relief lode, this survey.

Thence S. 12° 23' W.

135.52

To Cor. No. 4, Empress lode, this survey.

300.00

To the easterly end center monument of the location.

600.00

To Cor. No. 3

Set a 2 in. iron pipe, 4 ft. long, with a steel cap,

2 ft. in the ground in a mound of earth and stone,

stamped B-3-4199.

Thence N. 70° 56' W.

1500.00

To Cor. No. 4

Set a 2 in. iron pipe, 4 ft. long, with a steel cap,

2 ft. in the ground, in a mound of earth and stone,

stamped B-4-4199.

Thence N. 12° 23' E.

300.00

To the westerly end center monument of the location.

.446.24

To Cor. No. 3, Ready Cure lode, this survey.

600.00

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

All corners are identical with the location.

Buffer lode

Beginning at Cor. No. 1

Set a 2 in. iron pipe, 4 ft. long, with a steel cap,

2 ft. in the ground in a mound of earth and stone, stamped

B.1-4199

The corner of sections 10-11-14-15 bears N. 58° 33' W. 2579.05 ft.

Survey No. 4199, cont.,

feet

Buffer lode, cont.,

	Thence N. 49° 38' E.
103.54	To Cors. No. 4 and 2, 20th. Century and Relief lodes, this survey.
313.10	To the westerly end center monument of the location.
626.20	To Cor. No. 2. A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped B-2-4199. On line 3-4, 20th. Century lode, this survey, at S. 49° 38' W. 77.34 ft. from Cor. No. 3. Thence S. 57° 00' E.
1500.00	To Cor. No. 3 A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground, in a mound of earth and stone, stamped B-3-4199. Thence S. 49° 38' W.
313.10	To the easterly end center monument of the location.
626.20	To Cor. No. 4 A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped B. 4-4199 On line 2-1, Empress lode, this survey, at N. 57° W. 66.96 ft. from Cor. No. 2, this survey. Thence N. 57° 00' W.
1433.04	Cor. No. 1, Empress lode and intersect line 2-3, Relief lode, both of this survey, at S. 12° 23' W. 106.00 feet from Cor. No. 2 Relief lode.
1500.00	To Cor. No. 1, the place of beginning. All corners are identical with the location. Empress lode, at Beginning Cor. No. 1 A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped E.1-4199.

Survey No. 4199, cont.,

9

feet

Empress lode, cont.,

The corner of sections 10-II-14-15 bears N. 58° 30' 30" W. 2645.98 feet.

Thence S. 57° 00' E.

1433.04 To Cor. No. 4, Buffer lode, this survey.

1500.00 To Cor. No. 2.

A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground, in a mound of earth and stone, stamped E-2-4199

Identical with Cor. No. 1, Gray Eagle lode, this survey.

Thence S. 12° 23' W.

314.76 To the easterly end center monument of the location.

603.84 To granite boulder, 5 by 5 ft. by 3 ft. above ground, marked X-BR-4199

621.04 Intersect line 4-3, Arizona Central lode, Sur. No. 3670, at S. 51° 18' W. 85.80 ft. from Cor. No. 4.

629.52 To Cor. No. 3.

A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped E-3-4199

Identical with Cor. No. 4, Gray Eagle lode, this survey.

Thence N. 57° 00' W.

5.61 Intersect line 4-3, Arizona Central lode, Sur. No. 3670, at S. 51° 18' W. 94.16 ft. from Cor. No. 4.

1500.00 To Cor. No. 4

A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped E-4-4199

On line 2-3, Billican lode, this survey.

Thence N. 12° 23' E.

135.52 To Cors. No. 2 and 3, Billican and Relief lodes, this survey, respectively

Survey No. 4199, cont.,

feet	Empress lode, cont.,
314.76	To the westerly end center monument of the location.
629.52	To Cor. No. 1, the place of beginning.
	All corners are identical with the location.
	Gray Eagle lode
	Beginning Cor. No. 1,
	A 2 in. iron pipe, previously described, stamped GE-1-4199.
	The corner of sections 10-II-14-15 bears N. 57° 58' W. 4145.60 feet.
	Identical with Cor. No. 2, Empress lode, this survey.
	Thence S. 60° 00' E.
1500.00	To Cor. No. 2
	A 2 in. Iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped GE-2-4199.
	Thence S. 12° 23' W.
314.76	To the easterly end center monument of the location.
629.52	To Cor. No. 3
	A 2 in. iron pipe, 4 ft. long, with a steel cap, set 2 ft. in the ground in a mound of earth and stone, stamped GE-3-4199.
	Cor. No. 3, Wake-Up-Jim lode, Sur. No. 3670, bears N. 77° 13' E. 160.90 ft.
	Thence N. 60° 00' W.
1195.87	Intersect line 4-I, Arizona Central lode, Sur. No. 3670, at S. 42° 17' E. 289.24 ft. from Cor. No. 4.
1500.00	To Cor. No. 4
	A 2 in. iron pipe, previously described, stamped GE-4-4199.
	Identical with Cor. No. 3, Empress lode, this survey.

Survey No. 4199, cont.,

feet
 Gray Eagle lode, cont.,
 Thence N. 12° 23' E.
 28.48 --- Intersect line 4-3, Arizona Central lode, Sur. No.
 3670, at S. 51° 18' W. 85.80 ft. from Cor. No. 4.
 25.68 *Granite Boulder, 5x5 by 3' above ground marked + BR4199*
 314.76 --- To the westerly end center monument of the location.
 629.52 --- To Cor. No. 1, the place of beginning.
 All corners are identical with the location.

LODE LINES

The presumed course of the vein of the several locations embraced in this survey, from their respective points of discovery is as follows:-

Ready Cure lode, N. 40° 22' W. 965 ft. and S. 40° 22' E. 535 ft. from the discovery shaft.

20th. Century lode, N. 70° 56' W. 256 ft. and S. 70° 56' E. 1244 ft. from the discovery cut.

Relief lode, N. 70° 56' W. 280 ft. and S. 70° 56' E. 1220 ft. from the discovery shaft.

Billican lode, N. 70° 56' W. 283 ft. and S. 70° 56' E. 1217 ft. from the discovery shaft.

Buffer lode, N. 57° 00' W. 60 ft. and S. 57° 00' E. 1440 ft. from the discovery cut.

Empress lode, N. 57° 00' W. 1810 ft. and S. 57° 00' E. 690 ft. from the discovery shaft.

Gray Eagle lode, N. 60° 00' W. 415 ft. and S. 60° 00' E. 1085 ft. from the discovery cut.

AREAS

Acrés.

Total Area, Ready Cure lode	20.661
Area in conflict with Midnight lode, Sur. No. 13557	0.022
Area in conflict with Bay State lode, unsurveyed	0.783
Total Area, 20th. Century lode	17.790
Total Area, Relief lode	20.521

Survey No. 4199, cont.,

Areas, cont.,	acres
Total area, Billican lode -----	20.521
Total area, Buffer lode -----	20.661
Area in conflict with Relief lode, --- this survey.	0.076
Total area, Empress lode -----	20.289
Area in conflict with Arizona Central lode, Sur. No. 3670 -----	0.001
Total area, Gray Eagle lode -----	20.661
Area in conflict with Arizona Central lode, Sur. No. 3670 -----	0.312

LOCATION

This survey is located
in the NE $\frac{1}{4}$, the NW $\frac{1}{4}$, and the SE $\frac{1}{4}$ Section 14, the N.E. $\frac{1}{4}$ of
section 15, S.E. $\frac{1}{4}$ of section 10 and the S.W. $\frac{1}{4}$ of section
II, T. 23 N. R. 18 W. G. & S. R. M., Wallapai Mining
District, Mohave County, Arizona.

The survey of each claim is identical with the
location thereof.

Expenditure of \$500

I certify that the value of the labor and improve-
ments made upon or for the benefit of each of the locations
embraced in said mining claims by the claimant or its
grantors is not less than \$500.00, and that said improve-
ments consist of:

Ready Cure lode-

No. 1, the discovery shaft, 4 x 6 ft by 8 ft deep
on the lode line at 535 ft. from the easterly end center
point. Value ----- \$40.00

No. 2, A shaft, 4 x 6 ft. by 8 ft. deep, Course of
long side, S. 40° E. Center bears West 310 ft. from
Cor. No. 2. Value ----- \$40.00

1-7th interest in improvement No. 4, 20th. Century lode
Value ----- \$3110.70

20th. Century lode-

No. 1, The discovery cut, 4 ft. wide, 10 ft.
high, extending N. 70° W. 15 ft. Center of face is on
lode line at 256 ft. from the westerly end center.
Value ----- \$35.00

Survey No. 4199

Improvements cont.,
20th. Century lode, cont.,

No. 2, A shaft, 4 x 6 ft. by 12 ft. deep, Course of long side, S. 70° E. Center bears S. 30° E. 350 ft. from Cor. No. 2 Value ----- \$55.00

No. 3. A shaft, 4 x 6 ft. by 10 ft. deep. Course of long side, S. 70° E. Center bears S. 45° E. 500 ft. from Cor. No. 2. Value ----- \$45.00

No. 4. The main working shaft, timbered, two 4 x 4 ft. compartments, 310 ft. deep, with stations at the 300, 200 and 100 ft. levels. Course of long side of shaft, S. 68° E. At the 100 ft. level, a drift, 4 x 7 ft. extends N. 70° W. 60 ft. and S. 70° E. 70 ft. At the 200 ft. level, a drift, 4 x 7 ft. extends N. 70° W. 65 ft. thence a crosscut, N. 20° E. 150 ft. From the shaft, a drift runs S. 70° E. 170 ft. At the 300 ft. level, a drift runs N. 70° W. 50 ft. and S. 70° E. 50 ft. The southwest corner of the shaft bears S. 80° 55' E. 333 ft from Cor. No. 1 Value ----- \$21775.00

This is the main development shaft for the group of claims embraced in this survey; by drifting and crosscutting it is possible to explore all of the veins of the various claims, and I therefore apportion 1/7 of the value of this shaft and laterals to each claim of the survey.

Value of 1-7th to this claim \$3110.70

No. 5. An open cut, 4 ft. wide, 10 ft. high, extending S. 47° W. 35 ft. From the face, a tunnel, 4 x 6 ft. runs N. 35° E. 50 ft. Center of face of cut bears East 118 ft. from Cor. No. 1. Value ----- \$565.00

No. 6. A shaft, 4 x 6 ft. 25 ft. deep. Course of long side, S. 70° E. Center bears N. 52° E. 40 ft. from Cor. No. 1. Value ----- \$150.00

Relief lode

No. 1. The discovery shaft, 4 x 6 ft. by 8 ft. deep, Center is on the lode line at 280 ft. from the westerly end center point. Value ----- \$35.00

1/7 interest in Imp. No. 4, 20th. Century lode.

Value ----- \$3110.70

814

Survey No. 4199, Cont.,
Improvements, cont.,

Billican lode

No. 1. The discovery shaft, 4 x 6 ft. by 12 ft. deep.

The center is on the lode line at 283 ft. from the westerly end center point. Value ----- \$55.00

No. 2. A shaft, 4 x 6 ft. by 8 ft. deep, long side bears S. 70° E. Center bears S. 28° E. 215 ft. from Cor.

No. 1. Value ----- \$40.00

No. 3. A shaft, 4 x 6 ft. by 8 ft. deep, long side bears S. 70° E. Center bears S. 64° 30' E. 860 ft. from

Cor. No. 1. Value ----- \$40.00

No. 4. An open cut, 4 ft. wide, 9 ft. high, runs S. 20° W. 15 ft. Center of face bears S. 67° E. 1035 ft. from

Cor. No. 1. Value ----- \$35.00

1/7 interest in Imp. No. 4, 20th. Century lode. Value ----- \$3110.70

Buffer lode.

No. 1. The discovery cut, 5 ft. wide, 15 ft. high, runs S. 45° W. 25 ft. Center of face is on the lode line at 60 ft. from the westerly end center. Value --- \$60.00

No. 2. A shaft, 4 x 6 ft. by 8 ft. deep, long side bears S. 60° E. Center bears N. 82° E. 470 ft. from

Cor. No. 1. Value ----- \$40.00

No. 3. A shaft, 4 x 6 ft. by 20 ft. deep. long side bears S. 60° E. Center bears on the lode line at 350 ft. from the westerly end center point.

Value ----- \$110.00

No. 4. A shaft, 4 x 6 ft. by 25 ft. deep. long side bears S. 60° E. Center bears S. 58° E. 480 ft. from

Cor. No. 1. Value ----- \$150.00

1/7 interest in Imp. No. 4, 20th. Century lode.

Value ----- \$3110.70

Empress lode

No. 1. The discovery shaft, 4x6 ft. by 8 ft. deep, long side bears S. 57° E. Center is on the lode line at 690 ft. from the easterly end center.

Value ----- \$40.00

No. 2. A shaft, 4x6 ft. by 8 ft. deep, long side bears S. 57° E. Center bears N. 81° W. 730 ft. from

Cor. No. 2 Value ----- \$40.00

Survey No. 4199, cont.,
Improvements, cont.,
Empress lode

No. 3. A shaft, 4x6 ft, by 8 ft. deep, long side bears S. 60° E. Center bears N. 88° W. 635 ft. from Cor. No. 2.

Value ----- \$40.00

No. 4. A shaft, 4x6 ft, by 20 ft. deep, long side bears S. 60° E. Center bears S. 88° W. 640 ft. from Cor. No. 2.

Value ----- \$110.00

No. 5. A shaft, 4x6 ft. by 25 ft. deep, long side bears N. 30° E. Center is on the lode line at 380 ft.

from the easterly end center, Value ----- \$150.00

1/7 interest in Imp. No. 4, 20th. Century lode.

Value ----- \$3110.70

Gray Eagle lode

No. 1. The discovery cut, 3 ft. wide, 9 ft. high, extending S. 45° W. 18 ft. A tunnel, 3 x 6 ft. runs N. 45° E. 12 ft. from the face. Center of the face is on the lode line at 415 ft. from the westerly end center.

Value ----- \$90.00

No. 2. A shaft, 6x6 ft, by 5 ft. deep, the center bears S. 34° E. 490 ft. from Cor. No. 1.

Value ----- \$20.00

No. 3. A shaft, 4x5 ft. by 8 ft. deep. The center bears S. 42° E. 450 ft. from Cor. No. 1. Value ---\$35.00

No. 4. A shaft, 4 x 6 ft. by 8 ft. deep, long side bears S. 60° E. Center bears S. 45° E. 560 ft. from Cor. No. 1.

Value ----- \$40.00

No. 5. An open cut, 4 ft. wide, 8 ft. high, extending S. 20° E. 12 ft. Center of face bears S. 38° E. 605 ft. from Cor. No. 1.

Value ----- \$30.00

No. 6. An open cut, 4 ft. wide, 8 ft. high, extends S. 45° W. 12 ft. Center of face is on the lode line at 150 ft. from the easterly end center.

Value ----- \$30.00

No. 7. An open cut, 4 x 9 ft. extends S. 45° W. 15 ft. and a tunnel running N. 45° E. 10 ft. Face of cut is on the lode line at 120 ft. from the easterly end center.

Value ----- \$90.00

1/7 interest in Imp. No. 4, 20th. Century lode.

Value ----- \$3110.70

Survey No. 4199, cont.,

Other Improvements.

20th. Century lode.

A transformer house, 20 x 26 ft., long side bears S. 45° E. The northwesterly corner bears N. 80° E. 290 ft. from Cor. No. 1.

A hoist house, 24 x 32 ft., long side bears S. 68° E. The northwesterly corner bears S. 87° E. 330 ft. from Cor. No. 1.

Blacksmith shop and change room, 14 x 32 ft. long side bears S. 12° E. The northwesterly corner bears S. 73° E. 360 ft. from Cor. No. 1.

Other Corner descriptions.

Corners I-2-4 of Midnight lode, Sur. 3557, are 4 x 4 in. redwood posts, properly set and marked. Courses check as approved.

The easterly end line and the northerly side line of the Bay State lode, unsurveyed, are marked by stones set in the ground, marked BS.

The corners of the Pinkham lode, Sur. No. 525, are as near correct as can be determined. There is a variation of 3 minutes in courses. The corners have been reset with 2 in. iron pipes, in some previous survey.

Cors. 1-3-4, Arizona Central and Cor. 3, Wake-up-Jim lodes, Sur. No. 3670, are redwood posts, 4 ins. square properly set and marked. Courses check as approved.

Diligent search was made for the north and east quarter-section corners of section I4 and nothing found.

The differences between this survey and the location notices are due to errors in the latter.

A. H. Foster

Mineral Surveyor, General Land Office

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by L. H. Foster

United States 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

The Indium Corporation of America

known as the 20th. Century, Empress, Relief, Ready Cure, Billican, Buffer and Gray Eagle lodes and showing the respective capacities in which they acted.

Ray Roe, Chainman.

XXXXXXXXXXXX, Chainman.

XXXXXXXXXXXX, Axman.

XXXXXXXXXXXX, Flagman.

FINAL OATHS OF ASSISTANTS

~~WE~~, I, Ray Roe

and XXXXXXXX, do solemnly swear that ~~we~~^I assisted

L. H. Foster, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of

The Indium Corporation of America

known as the 20th. Century, Empress, Relief, Ready Cure, Billican, Buffer and Gray Eagle lodes.

represented in the foregoing field notes as having been surveyed by said 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 Office Cadastral Engineer, at Phoenix, Arizona

Ray Roe, Chainman.

XXXXXXXXXXXX, Chainman.

XXXXXXXXXXXXXXXXXXXX, Axman.

XXXXXXXXXXXXXXXXXXXX, Flagman

Subscribed and sworn to by the above-named persons before me this 20th

day of January, 19 38

Mary E. Cannon
deputat

My Commission Expires Nov. 20, 1939.

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

I, L. H. Foster, ~~U.S.~~ Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated June 26, 1937,
I have, in strict conformity to the laws of the United States, the official regulations
and instructions thereunder, and the instructions of said Office Cadastral Engineer,
faithfully and correctly executed the survey of the mining claim of
The Indium Corporation of America, known as the
20th. Century, Empress, Relief, Ready Cure, Billican, Buffer and
Gray Eagle lodes
situate in Wallapai Mining District,
Mohave County, Arizona, in Section
10-11-14-15, Township No. 23 North, Range No. 18 West
and designated as Survey No. 4199, 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 Office Cadastral Engineer
with said instructions, and that all 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 im-
provements 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 in-
cluded in the estimate of expenditures upon any other claim.

L. H. Foster

(~~U.S.~~ Mineral Surveyor)
General Land Office

Subscribed and sworn to by the said L. H. Foster
~~U.S.~~ Mineral Surveyor, before me *Henry C. Carson*
Henry C. Carson this 20th
day of January, 1938

Henry C. Carson

Henry C. Carson

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

May 11, 1938

I, Office Cadastral Engineer: at Phoenix, Arizona,

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

The Indium Corporation of America

known as the 20TH CENTURY, EMPRESS, RELIEF, READY CURE, BILLICAN, BUFFER, and GRAY EAGLE lodes

situate in Wallapai

Mining District Mohave County Arizona

in Section 10, 11, 14, 15, Township No. 23 N, Range No. 18 W., and

designated as Survey No. 4199, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant

or its grantors, and that said improvements consist of 21 shafts, 8 cuts, 3 tunnels, and 615 ft. of drifts and crosscuts, total value \$23,985. Improvement No. 4 on the 20th Century lode is a common improvement for the benefit and development of the entire group, and a 1-7th interest therein, value \$3,110.70, 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.

Sherman C. Fiecke

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona

May 11, 19 38

I, Office Cadastral Engineer at Phoenix, Arizona

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

The Indium Corporation of America

, known as the

20TH CENTURY, EMPRESS, RELIEF, READY CURE, BILLICAN, BUFFER, and GRAY EAGLE lodes,

situate in Wallapai mining district,

Mohave County, Arizona

in Section s 10, 11, 14, 15, Township No. 23 N., Range No. 18 W.

, designated as Survey No. 4199

executed by L. H. Foster, U.S. Mineral

Surveyor, December 6, 1937 - January 10, 1938, under my instructions dated

June 26, 1937, have been critically examined and the necessary

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

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Shuman C. Fiske

Office Cadastral Engineer.