

June 28¹
AUG 9-1909

Copied A.L.H.
Part copied 10-11-09
R.L.H.

4-683.

MINERAL SURVEY No. 2668

LOT No. _____

_____ Arizona _____ Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

_____ Kelvin Development Company _____

KNOWN AS THE

Tenderfoot, Oya Lunch, Big Gray, Old Joe, Blue Bird and Red Bird _____

_____ Mineral Creek _____ Mining District,

_____ Pinal _____ County, _____ Arizona _____

Approximately
Section s 36 and 1, Township 3 and 4 S, Range 13 E (unsurveyed)

May 29th. 1909
Surveyed under instructions dated Amended Order, 19
June 17th. 1909

by Geo. C. Clark,
U. S. Mineral Surveyor.

Claim located See location notice, 1909

Survey commenced June 2nd. 1909, 19

Survey completed June 7th. 1909, 19

6-822

Claimants Address:- F. A. Jones, Secty. and Treas., Phoenix, Arizona

Tenderfoot Claim

Survey No. 2668.

2

Feet.

Beginning at cor. No. 1, the N. E. cor.

On line 2 - 3 Red Bird Lode of this survey,
Identical with N. W. cor. unsurveyed Keystone Claim,
owned by applicants herein,

A pine post 4 ft. long, 4 ins. sq. set 18 ins. in ground
in a mound of stones, scribed 1-2668 T, whence

Original location, a pine post 3 ft. high, 4 ins. sq.
in a mound of stones, bears North 218. 10 ft.

N. W. cor. Sec. 6, T 4 S R 14 E, bears N 72°56'E 2420.3ft.

A rock in place 10x18x20 ins., chiseled + 1-2668 B. R.
bears N 83° 32' E 107. 20 ft.

Thence N 89° 00' W

65.08 To cor. No. 2,

Identical with cor. No. 3 Red Bird and on line 1-2 Oya
Lunch, both claims of this survey,

A pine post 4 ft. long, 4 ins. sq., set 18 ins. in ground
in a mound of stones, scribed 2-2668 T., whence

A Palo Verde tree, 6 ins. in diam., scribed 2-3-2668 B. T. bears
N 8° 53' W 124.68 ft.

No other bearing monuments available.

Thence S 60° 43' 30" W

884.90 To center Ray Con. Copper Co. Tramway

949.00 To Ray - Kelvin wagon road,

1297.90 To E bank Mineral Creek,

1328.90 To cor. No. 3, the N.W. cor.,

Identical with location and on line 2-3 Oya Lunch,
a claim of this survey.

A pine post 4 ft. long, 4 ins. sq. set 2 ft in the ground
in a mound of stones and scribed 3-2668 T., whence

Cor No. 1 Survey No. 1590 Dunham Lode, bears S 0°5'W
244.23 ft.

U.S.M.M. No. 1590 bears S 46° 50' W 706.82 ft.

A pine post 4 ft. long, 4 ins. sq. set 2 ft. in the ground
in a mound of stones, scribed B.P. 3-2668, bears

Tenderfoot Claim

continued

Feet

N 68° 50' E 34.90 ft.
 No other bearing monuments available.
 Thence South

238.00 To E bank Mineral Creek,
 367.50 To original location for W end center
 A pine post 2 ft. high, 4 ins. sq. in a mound of stones
 545.00 To E bank of Mineral Creek
 735.00 To cor. No. 4, the S.W. cor., identical with location,
 A pine post 4 ft. long, 4 ins. sq., set 2.5 ft in ground
 in a mound of stones, scribed 4-2668 T., whence
 U.S.M.M. No. 1590 bears N 64° 00' W
 A pine post 4 ft. long, 4 ins. sq. set 2 ft. in ground in
 a mound of stones, scribed B.P. 4-2668 bears North 300 ft.
 No other other bearing monuments available.
 Thence N 54° 42' E

64.00 To E bank Mineral Creek, course of creek, southerly.
 147.40 To N.W cor. Granat Claim, unsurveyed, Dornado, owner.
 560.00 To Ray-Kelvin wagon road,
 740.00 To center Ray Con. Copper Co. Tramway,
 1500.00 To cor. No. 5, the S. E. corner,
 Identical with location and with a cor. of the unsurveyed
 Keystone Lode,
 A pine post 4 ft. long, 4 ins. sq. set 18 ins. in ground
 in a mound of stones and scribed 5-2668 T., whence
 A corner of the Keystone and the N.E. cor. of the Granat,
 both unsurveyed claims, bears N 54° 42' E 137.96 ft.
 A pine post 4 ft. long, 4 ins. sq. set 18 ins. in ground
 in a mound of stones, scribed B. P. 5-2668 bears
 S 54° 42' W 127.80 ft. No other bearing monuments available
 Thence North

367.50 To original location for E end center,
 A pine post 3 ft. high, 4 ins. sq., in a mound of stones,
 516.90 To corner No. 1, the place of beginning.

Oya Lunch Claim

Feet.

Survey No. 2668

Beginning at cor. No. 1, the N. E. corner,
 On line 3-4 Red Bird Claim of this survey,
 Identical with location and with corner No. 1, Big Gray,
 a claim of this survey

A pine post 4 ft. long, 4 ins. sq. set 1 ft in the ground
 in a mound of stones, scribed 1-2668 O. L. whence
 N.W. cor. sec. 6 T 4 S R 14 E bears N83°11'E 2461.30 ft.

A conglomerate cropping in place, 4 ins. high, 18 ins. sq.
 chiseled + 1-2668 B.R. bears N 8° 53' W 93.40 ft.

Thence S 8° 53' E

117.68 To W end center Red Bird Claim of this survey,
 307.00 To E end center, identical with location,
 A pine post 3 ft. high, 4 ins. sq., in a mound of stones

422.18 To cors. No. 2 and 3 respectively of the Tenderfoot and
 Red Bird Lodes of this survey, whence Cor. 3 Tenderfoot lode bears S. 60° 43' 30" W. 1328.9 ft.

614.00 To cor. No. 2, the S. E. corner,
 Identical with location,
 A pine post 4 ft. long, 4 ins. sq., set 18 ins. in ground
 in a mound of stones and scribed 2-2668 O.L., whence
 U. S.M.M. No. 1590 bears S 61° 01' 30" W
 A pine post 4 ft. long, 4 ins. sq., set 18 ins in ground
 in a mound of stones, scribed B.P. 2-2668 bears
 N 8° 53' W 12.40 ft.

No other bearing monuments available.

Thence S 68° 50' W

800.00 To center Ray Con. Copper Co. tramway
 872.00 To Ray-Kelvin wagon road,
 1257.00 To E bank Mineral Creek,
 1275.00 To cor. No. 3, Tenderfoot Lode of this survey,
 1388.00 To cor. No. 3, the S. W. corner,
 Identical with location and with the S. E. corner of an
 unsurveyed claim owned by J. J. Maxie, name of claim
 unknown.

Oya Lunch Claim, continued,

| Feet. | Survey No. 2668 |
|---------|--|
| | A pine post 4 ft. long, 4 ins. sq. set 2.5 ft in ground in a mound of stones, scribed 3-2668 O.L. whence U. S. M. M. No. 1590 bears S 42°48'30" W 603.53 ft. Bearing monument already described with cor. No 3 Tenderfoot Lode of this survey, and scribed B.P.3-2668 bears N 68° 50' E 147.40 ft. |
| | No other bearing monuments available. |
| | Thence N 8° 53' W |
| 307.00 | To original location for W end center, A pine post 2 ft. high, 4 ins. sq. in a mound of stones, |
| 614.00 | To corner No. 4, the N. W. corner, Identical with location and with corner No. 4 Big Gray Jode of this survey, Identical with the N. E. corner of an unsurveyed claim and with the S. E. corner of another unsurveyed claim, both owned by J. J. Maxie, names of claims unknown. |
| | A pine post 4 ft. long, 4 ins. sq. set 2.5 ft in ground in a mound of stones and scribed 4-2668 O.L. whence U. S. M.M. No. 1590 bears S 16° 43' 30" W |
| | A pine post 4 ft. long, 4 ins. sq. set 2.5 ft in ground in a mound of stones and scribed B. P. 4-2668 bears N 68° 50' E 116.90 ft. |
| | No other bearing monuments available. |
| | Thence N 68° 50' E |
| 116.90 | To E bank Mineral Creek, |
| 175.00 | To Ray-Kelvin wagon road |
| 235.00 | To intersection Ray Con. Copper Co. tramway, |
| 1388.00 | To corner No. 1, the place of beginning. |

Big Gray Claim

Feet.

Survey No. 2668.

Beginning with cor. No. 1, the S. E. cor.,
 Identical with location,
 Identical with cor. No. 1 Oya Lunch, a claim of this
 survey and heretofore described,
 Scribed 1-2668 B. G. whence
 N. W. corner sec. 6 T 4 S R 14 E bears N 83° 11' E
 2461.30 ft.

Thence N 8° 53' W

186.82 To corners No. 4 Blue Bird and Red Bird, claims of this
 survey,

307.00 To E end center, identical with location,
 A pine post 3 ft. high, 4 ins. sq., in a mound of stones,

491.32 To W end center Blue Bird (oden) of this survey,

614.00 To cor. No. 2, the N. E. cor.,

Identical with location,

Identical with cor. No. 1 Old Joe (oden) of this survey
 and hereinafter described.

Thence S 68° 50' W

687.00 To center of bridge of the Ray Con. Copper Co. tramway
 over wash 20 ft wide, course southwesterly,

967.00 To Ray- Kelvin wagon road,

1296.65 To E bank Mineral Creek, N 88° 30' E

1388.00 To cor. No. 3, the N. W. cor.

Identical with location,

Identical with cor. No. 4 Old Joe (oden) of this survey,

Identical with the N. E. corner of an unsurveyed claim
 owned by J. J. Maxie, name of claim unknown.

A pine post 4 ft. long, 4 ins. sq. set 2.5 ft. in the
 ground in a mound of stones and scribed 3-2668 B. G

whence;

A pine post on E bank of mineral Creek, 4 ft. long, 4 ins.

sq. set 2 ft. in the ground in a mound of stones and

scribed B. P. 3-4-2668 bears N 68° 50' E 91.35 ft.

No other bearing monuments available.

Big Gray Claim, continued.

Feet. Survey No. 2668.

| | |
|---------|---|
| | Thence S 8° 53' E |
| 307.00 | To original location for W end center, A pine post 2 ft. high, 4 ins. sq. in a mound of stones, |
| 614.00 | To cor. No. 4, the S.W. cor. Identical with location, Identical with the S. E. and N. E. corners of two unsurveyed claims owned by J. J. Maxie, names of claims unknown, Identical with cor. No. 4 Oya Lunch side of this survey and heretofore described, |
| | Scribed 4-2668 B. G. |
| | Thence N 68° 50' E |
| 116.90 | To E bank Mineral Creek, |
| 175.00 | To Ray-Kelvin wagon road, |
| 235.00 | To center Ray Con. Copper Co. tramway, |
| 1388.00 | To corner No. 1, the place of beginning. |

Old Joe Claim

Feet.

Survey No. 2668

- Beginning at cor. No. 1, the S. E. cor.
 On line 3-4 Blue Bird lode of this survey,
 Identical with location,
 Identical with cor. No. 2 Big Gray lode of this survey,
 A pine post 4 ft. long, 4 ins. sq., set 18 ins. in the
 ground in a mound of stones and scribed 1-2668 O. J.
 whence,
 A rock in place 3 ins. high, 2 x 3 ft., chiseled + 1-2-2668
 B. R. bears S 8° 53' E 108.90 ft.
 N. W. cor. sec. 6 T 4 S R 14 E bears S 82° 56' E
 2558.20 ft.
 Thence N 8° 53' W
 181.82 To cor. No. 3 Blue Bird lode of this survey, identical
 S. W. cor. Golden Oya lode, unsurveyed and owned by
 the applicants herein,
 277.00 To intersect wash, 20 ft. wide, course southwesterly,
 307.00 To original location for E end center,
 A pine post 3 ft high, 4 ins. sq. in a mound of stones,
 614.00 To cor. No. 2, the N. E. cor.
 Identical with location,
 Identical with S. E. cor. Lone Suara lode, unsurveyed,
 owned by applicants herein.
 A pine post 4 ft. long, 4 ins. sq. set 1 ft in the
 ground in a mound of stones and scribed 2-2668 O. J.
 whence
 A rock in place 6 ins. high 2 ft. sq., chiseled + 2-2668
 B. R. bears N 0° 30' E 105.70 ft.
 Thence S 68° 50' W
 600.00 To center Ray Con. Copper Co. tramway,
 795.00 To Ray-Kelvin wagon road,
 1043.90 To E bank Mineral Creek,
 1388.00 To cor. No. 3, the N. W. cor.,
 Identical with location,
 Identical with S. W. cor. Lone Suara, unsurveyed,

Old Joe Claim, continued.

| Feet. | Survey No 2668 |
|---------|---|
| | A pine post 4 ft. long, 4 ins. sq., set 2.5 ft in the ground in a mound of stones and scribed 3-2668 O. J. whence, |
| | A willow tree 15 ins. in diam, scribed + 3-2668 B. T. and 1-1-1975 B. T. bears N 70° 9' 30" E 207.50 ft. |
| | A pine post on E bank of Mineral Creek, 4 ft. long, 4 ins. sq., set 2 ft in the ground in a mound of stones and scribed B. P. 3-2668 bears N 68° 50' E 344.10 ft. U. S. M. M. No. 1590 bears S 3° 11' W |
| | Thence S 8° 53' E |
| 307.00 | To original location for the W end center, |
| | A pine post 4 ft. long, 4 ins. sq. in a mound of stones, |
| 614.00 | To cor. No. 4, the S.W. cor. Identical with location, |
| | Identical with the N. E. cor. of an unsurveyed claim owned by J. J. Maxie, name of claim unknown, |
| | Identical with cor. No. 3 Big Gray stone of this survey and heretofore described, |
| | Scribed 4-2668 O. J. |
| | Thence N 68° 50' E |
| 91.35 | To E bank Mineral Creek, |
| 421.00 | To Ray-Kelvin wagon road, |
| 701.00 | To center of bridge of the Ray Con. Copper Co. tramway over a wash 20-ft. wide, course southwesterly, |
| 1388.00 | To cor. No. 1, the place of beginning. |

Blue Bird Claim

Feet.

, Survey No 2668

Beginning at cor. No. 1, the S. E. cor.,

Identical with location,

Identical with the N. W. and S. W. corners respectively
of the Black Bird and Golden Bell ^{lodes}, unsurveyed and owned
by the applicants herein,

Identical with cor. No. 1, Red Bird lode of this group,

A pine post 4 ft. long, 4 ins. sq., set 18 ins. in the
ground in a mound of stones and scribed 1-2668 B. B.
whence,

A Palo Verde tree 1 ft. in diam., scribed 1-1-2668 B. T.
bears S 46° 29' E 54.90 ft.

N. W. cor. sec. 6 T 4 S R 14 E bears N 82° 11' E
982.17 ft.

No other bearing monuments available.

Thence N 8° 53' W

304.50 To original location for E end center,

A pine post 3 ft. high, 4 ins. sq. in a mound of stones,

609.00 To cor. No. 2, the N. E. cor.,

Identical with location,

Identical with the N. W. and S. E. corners respectively
of the Golden Bell and Golden Oya lodes, unsurveyed and
owned by the applicants herein,

A pine post 4 ft. long, 4 ins. sq., set 18 ins. in the
ground in a mound of stones and scribed 2-2668 B. B.
whence,

A rock in place, level with the surface, 1.5 ft sq.
chiseled + 2-2668 B. R. bears N 45° 00' W 90.50 ft.

Thence N 89° 00' W

1500.00 To cor. No. 3, the N. W. cor.,

On line 1-2 Old Joe Lode of this survey,

Identical with location,

Identical with the S. W. cor. Golden Oya lode, unsurveyed
and owned by the applicants herein,

Feet.

Survey No. 2668

- A pine post 4 ft. long, 4 ins. sq., set 1 ft. in the ground in a mound of stones and scribed 3-2668 B. B. whence,
- A rock in place 6 ins. high, 2. x 2.5 ft., chiseled + 3-2668 B. R. bears N 8° 53' W 73.10 ft.
- .Thence S 8° 53' E
- 181.82 To cors. No. 1, and 2 respectively of the Old Joe and Big Gray nodes of this survey
- 304.50 To original location for W end center,
A pine post 3 ft. high, 4 ins. sq. in a mound of stones,
- 488.82 To E end center Big Gray node of this survey,
- 609.00 To cor. No. 4, the S. W. cor.,
On line 1-2 Big Gray claim of this survey,
Identical with location,
Identical with cor. No. 4 Red Bird node of this survey,
A pine post 4 ft. long, 4 ins. sq., set 1 ft. in the ground in a mound of stones and scribed 4-2668 B. B. whence,
- A rock in place 4 ins. high, 18 ins. sq., chiseled + 4-4-2668 B. R. bears S 8° 53' E 93.42 ft.
- .Thence S 89° 00' E
- 1500.00 To cor. No. 1, the place of beginning.

Red Bird Claim

Feet.

Survey No. 2668

Beginning at cor. No. 1, the N. E. cor.,
Identical with location and with the N. W. and S. W. cors
respectively of the Black Bird and Golden Bell lodes,
unsurveyed and owned by the applicants herein.

Identical with cor. No. 1 Blue Bird lode of this survey,
heretofore described, scribed 1-2668 R. B., whence

N. W. cor. sec. 6 T 4 S R 14 E bears N82° 11' E 982.17 ft.

Thence S 8° 53' E

304.50 To original location for E end center,

A pine post 3 ft. high, 4 ins. sq. in a mound of stones,

600.00 To center of wash, 10 ft. wide, course S. E.

609.00 To cor. No. 2 the S. E. cor.,

Identical with location and with the S. W. cor. Black
Bird lode, unsurveyed, owned by applicants herein.

A quartzite rock 2 ft. sq., set 12 ins. in the ground by
a mound of stones 2 ft. high, 3 ft. base, chiseled

+ 2-2668 R. B., whence

A pine post 4 ft. long, 4 ins. sq., set 18 ins. in the
ground in a mound of stones, scribed B.P. 2-2668 bears
S 89° 00' E 28.80 ft.

No other bearing monuments available.

Thence N 89° 00' W

1370.52 To the N. E. and N. W. cors. of the Keystone and Kelvin
Nol lodes, unsurveyed, owned respectively by the appli-
cants herein and Joseph Bates et al.,

1434.92 To cor. No. 1 Tenderfoot Lode of this survey, identical
with the N. W. cor. of the Keystone lode, unsurveyed.

1500.00 To cor. No. 3, the S. W. cor., identical with location
and on line 1-2 Oya Lunch lode of this survey,
Identical with corner No. 2 of the Tenderfoot lode of
this survey, and heretofore described,

Scribed 3-2668 R. B.

Red Bird Claim, continued

Feet.

Survey No. 2668

Thence N 8° 53' W

115.18 To E end center Oya Lunch ~~node~~ of this survey,

304.50 To W end center, identical with location,

A pine post 3 ft. high, 4 ins. sq. in a mound of stones.

422.18 To cors. No. 1 Oya Lunch and Big Gray ~~nodes~~ of this survey

609.00 To cor. No. 4, the N. W. cor.; identical with location

and cor. No. 4 of Blue Bird ~~node~~ of this survey, hereto-

fore described, scribed 4-2668 R. B.

Thence S 89° 00' E

1500.00 To cor. No. 1, the place of beginning.

Magnetic variation throughout survey 14° 45' E

Lode Lines.

As near as can be determined from present developments, the presumed courses of the veins of the several locations embraced in this claim, extend as follows from their respective discovery points;

Tenderfoot ~~node~~

S 54° 42' W 720.00 ft. and N 54° 42' E 780.00 ft.

Oya Lunch ~~node~~

S 68° 50' W 73.00 ft. and N 68° 50' E 1315.00 ft.

Big Gray ~~node~~

N 68° 50' E 20.00 ft. and S 68° 50' W 1368.00 ft.

Old Joe ~~node~~

S 68° 50' W 157.00 ft and N 68° 50' E 1231.00 ft.

Blue Bird ~~node~~

S 89° 00' E 320.00 ft. and N 89° 00' W 1180.00 ft.

Red Bird ~~node~~

S 89° 00' E 100.00 ft. and N 89° 00' W 1400.00 ft.

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Area

Acres

| | |
|--|--------|
| Total Area Tenderfoot Lode | 18.092 |
| Total Area Oya Lunch Lode | 19.117 |
| Area in conflict with Tenderfoot Lode of this survey | 2.742 |
| Total Area Big Gray Lode | 19.117 |
| Total Area Old Joe Lode | 19.117 |
| Total Area Blue Bird Lode | 20.660 |
| Total Area Red Bird Lode | 20.660 |

Location

This survey is located in the Mineral Creek Mining District, Pinal County Arizona, approximately in secs. 1 and 36, respectively in Tps. 4 and 3 S R 13 E, unsurveyed, G and S. R. B. and M.

Expenditure of Five Hundred Dollars

The certificate of the expenditure of five hundred dollars for the benefit of each of the locations in this group will be filed before the expiration of the sixty days of publication.

The present improvements consist of:-

Tenderfoot Claim

- No. 1 Discovery Shaft 4x6x8 ft. bears from the W end center of location N 54° 42' E 720.00 ft.
- No. 2 Shaft 4x6x20 ft bears from point on line 2-3, at 31 ft. from cor. No.3, S 85° 30' E 69.00 ft.
- No. 3 Open Cut 4x13x9 ft. with Tunnel 4x6x18 ft., course of both N 60° E , bears from cor. No. 4 N 36° 55' E 677.2 ft.
- No. 4 Shaft 4x6x10 ft. bears from same point N 39° 13' E 695.10 ft.
- No. 5 Tunnel 4x6x16 ft., course N 58° 10' E, bears from same point N 41° 55' E 703.00 ft.
- No. 6 Shaft 4x6x20 ft. bears from same point N 46° 28' E 722.30 ft.

Oya Lunch Claim,

- No. 1 Discovery Cut 4x6x10 ft., course N 68° 50' E , bears from W end center of location N 68° 50' E 73.00 ft.
- No. 2 Open Cut 4x6x10 ft., course N 70° E, with shaft at face 4x4x5 ft., bears from same point N 22° 45' E 175 ft.

Big Gray Claim,

- No. 1 Discovery Shaft 4x6x8 ft bears from E end center of location, S 68° 5 0' W 20.00 ft.
- No.2 Open Cut 4x6x10 ft, course N 50° E bears from cor. No. 4 N 48° 15' E 120 ft.

Old Joe Claim

- No. 1 Discovery Cut 4x6x8 ft., course N 68° 50' E, bears from the W end center of location N 68° 50' E 157.00 ft.
- No. 2 Open Cut 4x6x10 ft, course N 79° 30' E, with shaft at face 4x6x5 ft. , bears from same point S 82° 13' E 132ft

Blue Bird Claim

- No. 1 Discovery Incline Shaft 4x6x15 ft., pointing S, bears from E end center of location, N 89° 00' W 320.00 ft.
- No. 2 Open Cut 4x12x15 ft., course S, bears from cor. No.3 S 88° 05' E 1300.00 ft.
- No. 3 Open Cut 4x6x10 ft, course S, bears from same point S 88° 05' E 1190,00 ft.
- No. 4 Open Cut 4x6x9 ft., course S 10° 30' E , bears from the W end center of location S 57° 00' E 132.00 ft.
- No. 5 Shaft 4x6x10 ft. bears from same point S 63° 24' E 430ft
- No. 6 Shaft 4x6x10 ft. bears from same point S 67° 39' E 515 ft.

Red Bird Claim,

- No. 1 Discovery Shaft 4x6x12 ft. bears from the E end center of location N 89° 00' W 100.00 ft.
- No. 2 Shaft 4x6x15 ft. bears from same point S 37° 42' W 128.80 ft.
Drift at bottom 4x6x27 ft., course N, thence W 13 ft, with upraise at breast 4x4x6 ft.
- ~~No. 3 Shaft 4x6x32 ft bears from same point S 23° 11' W 131.8 ft~~
- ~~No. 4 Shaft 4x6x60 ft. bears from Cor. No. 3, N 58° 40' E 409 ft.~~
- ~~No. 5 Shaft 4x6x5 ft. bears from same point N 63° 11' E 698.5 ft~~
- ~~No. 6 Shaft 4x6x10 ft. bears from same point N 64° 37' E 741.2 ft~~
- ~~No. 7 Shaft 4x6x24ft. bears from same point N 75° 21' E 738.6 ft.~~

No. 3, Shaft, 4 x 6 x 32 ft., bears from same point S. 23° 11' W. 131.8 ft.

No. 4, Shaft, 4 x 6 x 60 ft., bears from Cor. No. 3 N. 58° 40' E. 409 ft.

No. 5, Shaft, 4 x 6 x 5 ft., bears from same point N. 63° 11' E. 698.5 ft.

No. 6, Shaft, 4 x 6 x 10 ft., bears from same point N. 64° 37' E. 741.2 ft.

No. 7, Shaft, 4 x 6 x 24 ft., bears from same point N. 75° 21' E. 738.6 ft.

I N S T R U M E N T

The survey was made with a C. L. Berger and Sons transit No. 6072.

The courses were deflected from the true meridian as determined by solar observations made with a Berger solar attachment.

All distances were measured with 300-ft. and 100-ft. steel tapes.

R E P O R T

All claim lines were run directly upon the ground and for such tie lines as were not so run, but which were calculated by triangulations, the complete data accompany in separate report.

Corner No. 1, Survey No. 1590, Dunham lode, has been washed away by Mineral Creek, but was reset, bearings taken and measurements made on the ground from U. S. M. M. No. 1590, as called for in the approved notes of that survey.

The E. end line of the Old Spaniard, Survey No. 1975 falls about 40 ft. W. of line 3-4, Old Joe lode

of this survey, as it lies entirely in the bed of Mineral Creek, as does also the entire E. end line of Survey No. 1975. It was not possible to tie this survey to the same as no trace remains of any of its monuments.

The entire W. end line of this survey lies in the bed of Mineral Creek, as is shown on the accompanying plat.

North:- Lone Suara and Golden Oya, both unsurveyed Claims
Owned by applicants herein

East:- Golden Bell and Black Bird, both unsurveyed claims
Owned by applicants herein

South:- Keystone Lode, unsurveyed, Same owners,
Kelvin No. 1, ^{lode} unsurveyed, Joseph Bates et al, owners
Granat, unsurveyed lode, Dornado, owner.

West:- Survey No. 1590, Dunham Lode
Maxie Claims, names unknown, unsurveyed,
J. J. Maxie, owner

Unclaimed ground

Expenditure of Five Hundred Dollars

(1)

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:-

| | <u>Value</u> |
|---|--------------|
| <u>Tenderfoot Claim:-</u> | |
| No. 1 Discovery Shaft 4x6x8 ft. bears from W end center of location N 54°42' E 720 ft. | \$ 25.00 |
| No. 2 Shaft 4x6x20 ft. bears from point on line 2-3, 31 ft. from cor. No. 3, S 85° 30' E 69.00 ft. | 200.00 |
| No. 3 Open Cut 4x13x9 ft. with tunnel 4x6x18 ft. course N60°E bears from cor. No. 4, N 36°55' E 677.20 ft. | 200.00 |
| No. 4 Shaft 4x6x10 ft. bears from same point N39°13'E 695.1 ft. | 50.00 |
| No. 5 Tunnel 4x6x16 ft. course N 58°10' E bears from same point N 41° 55' E 703. ft. | 125.00 |
| No. 6 Shaft 4x6x20 ft. bears from same point N46°28'E 722.3 ft | 200.00 |
| <u>Oya Lunch Claim:-</u> | |
| No. 1 Discovery Cut 4x6x10 ft., course N 68° 50' E bears from West end center of location N 68°50' E 73 ft. | 30.00 |
| No. 2 Open Cut 4x6x10 ft. course N 70° E, shaft at face 4x4x5 ft., bears from same point N 22°45' E 175 ft. | 30.00 |
| <u>Big Gray Claim:-</u> | |
| No. 1 Discovery Shaft 4x6x8 ft. bears from E end center of location S 68° 50' W 20 ft. | 50.00 |
| No. 2 Open Cut 4x6x10 ft. course N 50° E bears from cor. No. 4 N 48° 15' E 120 ft. | 30.00 |
| <u>Old Joe Claim:-</u> | |
| No. 1 Discovery Cut 4x6x8 ft., course N 68°50' E bears from the W end center of location N 68° 50' E 157 ft. | 25.00 |
| No. 2 Open Cut 4x6x10 ft., course N 79°30' E, shaft at face 4x6x5 ft. bears from same point S 82° 13' E 132 ft. | 30.00 |
| <u>Blue Bird Claim:-</u> | |
| No. 1 Discovery Incline Shaft 4x6x15 ft., incline S, bears from E end center of location N 89° W 320. ft. | 100.00 |

Expenditure of Five Hundred Dollars, cont.

(2)

| Blue Bird Claim, cont. | | Value |
|--------------------------------------|---|-----------|
| No. 2 | Open Cut 4x12x15 ft. course S, bears from cor. No.3 S 88° 05' E 1300 ft. | \$ 60.00 |
| No. 3 | Open Cut 4x6x10 ft., course S, bears from same point. S 88° 05' E 1190 ft. | 40.00 |
| No. 4 | Open Cut 4x6x9 ft., course S 10° 50' E, bears from W end center of location S 57° E 132 ft. | 30.00 |
| No. 5 | Shaft 4x6x10 ft. bears from same point S 63° 24' E 430 ft. | 75.00 |
| No. 6 | Shaft 4x6x10 ft. bears from same point S 67° 39' E 515 ft. | 75.00 |
| <u>Red Bird Claim:-</u> | | |
| No. 1 | Discovery Shaft 4x6x12 ft. bears from E end center of lo- cation N 89° W 100 ft. | 50.00 |
| No. 2 | Shaft 4x6x15 ft. bears from same point S 37° 42' W 128.8 ft. Drift at bottom 4x6x27 ft. N, thence W 13 ft. with Upraise at breast 4x4x6 ft. Value No. 2 work | 455.00 |
| No. 3 | Shaft 4x6x32 ft. bears from same point S 23° 11' W 131.8 ft. | 385.00 |
| No. 4 | Shaft 4x6x60 ft. bears from cor. No.3 N 58° 40' E 409 ft. | 900.00 ✓ |
| No. 5 | Shaft 4x6x5 ft. bears from same point N 63° 11' E 698.5 ft. | 20.00 |
| No. 6 | Shaft 4x6x10 ft. bears, from same point N 64° 37' E 741.2 ft. | 50.00 |
| No. 7 | Shaft 4x6x24 ft. bears from same point N 75° 21' E 738.6 feet | 290.00 |
| Total Value of Improvements on Group | | \$3525.00 |

Expenditure of Five Hundred Dollars, cont.

The country rock on the claims is granite and granite-porphry, cut by veins of quartz and porphyry dikes, the latter generally much decomposed. The strike of these is approximately as is shown by the lode lines on the plat accompanying the field notes, numerous northerly and southerly striking cross-faults showing mineralization cross these, the result being similar to a stockwork formation. the porphyry is the mineralizing agent and is not only intrusive but underlies the granite in nearly flat planes, as has been shown in the properties of the Ray Con. Copper Co., some of whose claims are in the immediate vicinity of this group and the main works from which large amounts of ore have been shipped, are located some four miles N on Mineral Creek. The company named has demonstrated to an absolute certainty that these conditions exist on their ground, by numerous shafts and Keystone drill holes, covering an area of over a sq. mile in extent, showing the porphyry to lie practically flat and of a thickness varying from fifty to four hundred feet. This porphyry carries values averaging $2\frac{1}{2}\%$ copper and for working these ores they are now erecting a concentrating plant and smelter of five thousand tons daily capacity. Their ground is being worked from a centrally located shaft, others of which may follow at various places. Further may be noted the method of developing and working in Bisbee from one or more main shafts (depending upon the area), which has been found to be the only practical and economical method of developing the ground and extracting ore occurring under these conditions. The preceding is given since it has a direct bearing on the development of this group, where the conditions are the same and for this and topographical reasons, any and all of the work done tends to develop the whole group and each claim thereof, with the following exceptions: works No 3 and 5 on the Tenderfoot, the work on the Old Joe, Oya Lunch and work No. 2 on the Big Gray, these would develop only the claims

upon which they are located, none of them would gain any appreciable depth on this ground. All other work on the group is located on the main veins and cross faults and any one of which on further prosecution, it is fair to presume, may lead into workable ore-bodies and become a point from which the whole group can be most economically developed and ore extracted. The E bank of Mineral Creek is almost perpendicular for a height of ten to fifteen ft. and the rock in place, as is shown by the cuts placed here is covered with from 4 to 6 ft. of surface wash, This wash covers a nearly flat surface extending to within a short distance (a few feet) of the tramway shown on the plat. The line of this tramway marks approximately the W line of a low mesa, the top of which is a few feet above the rails. This mesa continues, sloping slightly upward to the E, to about 200 ft. E of the E end lines of the Oya Lunch, Big Gray and Old Joe Claims, and is almost entirely covered with surface wash, very little rock in place being in evidence. A few ft. W of shaft No. 4 on the Red Bird claim, the slope becomes steeper, this shaft being 152 ft. above the bed of Mineral Creek, a total up-grade of only about 9%. This slope terminates in a ridge about 200 ft. above the bed of Mineral Creek, near the E end lines of the Blue Bird and Red Bird Claims. Thus for a distance of some 1200 ft. on the E end of this group the surface is practically free from detrital material and the best points of attack can be located, as is shown by the principal works on this area. N of the wash on the Old Joe Claim the topography is practically level. Further any work done on the W part of the Tenderfoot, Oya Lunch, Big Gray or Old Joe Claims, would encounter seepage water from Mineral Creek within a few ft. of the surface (20 - 30 ft.), which would greatly add to the expense of sinking and development. The highest point on this group is only about 200 ft. above the bed of Mineral Creek, an up-grade of about 7%, so that nothing is to be gained by continuing any of the cuts or tunnels started on them and water renders sinking impracticable.

Expenditure of Five Hundred Dollars, cont.

The shafts on the western part of the Red Bird are practically on the presumed lode line of the Oya Lunch and all the work on this location lies below a large part of the surface of the Blue Bird Claim and while the Red Bird works are about 150 ft. above the bed of Mineral Creek, they are but a few ft. higher than the eastern part of the Oya Lunch, Big Gray and Old Joe Claims, also the shafts on the Red Bird claim are at points of easy access for haulage by wagon and at the same time the slope is sufficiently steep to afford ample dumping facilities for extensive development, which latter is not the case on the Oya Lunch, Big Gray and Old Joe Locations. The shaft No.2 and drift on the Red Bird is lower than and pointing directly towards the E end of the Blue Bird claim.

Considering the small area of this survey for a copper group, and that where any extensive work has been done in this district, it has shown the ore to be in the form of beds or deposits, good practice for the most economical development and extraction of ore, would not call for more than one main shaft, the location of which might well be taken at any point where work has been initiated on the group, (except at such places as has hereinbefore been excluded from this presumption) these works as far as they have gone tend to develop the whole group and the further prosecution of the same can not but continue to do so.

Therefore an undivided 1/6 interest is given to each claim of this survey in all work as hereinbefore enumerated, except such as are located on the Oya Lunch, old Joe and works No. 3 & 5 on the Tenderfoot claim, these last could only be considered to develop the claims upon which they are located.

Geo. C. Clark
 U. S. Mineral Surveyor

Territory of Arizona:

County of Pinal

:ss.
:

Subscribed and sworn to by said Geo. C. Clark before me, a notary public in and for the County of Pinal, Territory of Arizona, this 8th. day of November, 1909.

My commission expires June 9 '1912

J. J. Calver
 Notary Public

Expenditure of Five Hundred Dollars, continued.

That these improvements are for the benefit of each and every claim of this group, is due to two facts, namely, the topography and that the ore lies in a blanket form and not in veins; under these conditions the only practical method of development and extraction is from a vertical shaft. The only works that could not be presumed to develop the claims other than those upon which they are located are Nos. 3 and 5 on the Tenderfoot; those on the Old Joe and Oya Lunch and work No. 2 on the Big Gray, Nothing would be gained by a continuation of any of these since the topography is flat for several hundred feet to the E, and no appreciable depth would be reached.

The E bank of Mineral Creek(where, as will be seen from the plat, the most of the last named work is located) is almost perpendicular for a height of ten or fifteen feet. From here a nearly flat surface, covered with from ten to twenty ft. of wash, extends to the tramway shown on the plat. The line of this tramway marks approximately the W line of a low mesa, the top of which is a few feet above the rails. This mesa continues, sloping slightly upward to the E, to about two hundred feet E of the W end lines of the Red Bird and Blue Bird Claims.

It will readily be understood that sinking on this area is impracticable. The slope is insufficient for dumping, the covering of surface wash hides the mineral conditions, and any sinking done W of the tramway would have to contend with the water from Mineral Creek, thereby greatly increasing the cost.

A short distance W of shaft No. 4 on the Red Bird, the slope becomes steeper, terminating in a northerly and southerly striking ridge or "backbone" near the E end lines of the Red Bird and Blue Bird Claims. Thus for a distance of some twelve hundred feet on the E end of this group, the surface is practically free from detrital material and the best points of attack can be located, which

is further shown to be the case by the location of the principal works on this area. Ample dumping facilities are here available and the ground is still accessible by wagon without expensive road building. It is sufficiently distant from Mineral Creek to avoid the seepage waters which would necessitate expensive pumping. The mineral conditions are more clearly defined and since the all important point in opening up and developing any property is the proper location of the main shaft or shafts, there is no other part of the group that a reasonable man would select for development purposes, leading to the extraction of ore, than this eastern area, approximately indicated by the location of the main works thereon.

Regarding the mineral conditions, it has been fully demonstrated that the ore lies in a blanket form in this vicinity by the works of the Ray Con. Copper Co, which property like this, is located on the great Mineral Creek fault and in the same formation. This company (the Ray Con.) has drilled over a square mile of territory, putting their holes down every few feet with 15 drills of the Keystone type, striking ore in almost every instance and have demonstrated beyond any question that the ore is a blanket formation carrying about $2\frac{1}{2}\%$ copper and from fifty to several hundred feet in thickness. There can be no question on the mode of occurrence which can be easily proven by inquiry and that the ore is there is further shown by the fact that a six thousand ton concentrator for the treatment of the same is now under construction.

Considering the small area of this survey for a copper group, that work on the W part is not practicable on account of water and for topographical and other reasons as herein explained, that pay ore is a blanket form of low grade in one body which can only be developed and extracted from shafts, the location of which might well be taken at any of the points where work has been initiated on the group (except as at such points as have been hereinbefore excluded from such presumption), these works tend to develop the whole group and each claim thereof and

CERTIFICATE OF U.S. SURVEYOR GENERAL

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

I, U. S. Surveyor General for Arizona, do hereby certify that not less than Five Hundred Dollars' worth of labor has been expended or improvements made by the claimant or its grantors, upon or for the benefit of the mining claims of the Kelvin Development Company, known as the Oya Lunch, Big Gray, Old Joe, Blue Bird and Red Bird lode mining claims, situate in the Mineral Creek Mining District, Pinal County, Arizona, in approximate sections 36 and 1 of Township Nos. 3 and 4 South, Range 13 East, unsurveyed; that said improvements consist of 17 shafts, 9 cuts, one upraise and 40 feet of drifts, valued at Three Thousand, Five hundred and twenty-five (\$3,525.00) Dollars, an undivided 1-6 interest in all improvements situate on Mineral Survey No. 2668, except improvements Nos. 3 and 5 on the Tenderfoot lode, improvement No. 2 on the Big Gray lode, and all improvements on the Old Joe and Oya Lunch lodes, being properly accredited to each lode claim of this survey, the ore body having been determined to be a blanket formation; and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim. A copy of the reports of George C. Clark, U. S. Mineral Surveyor, dated November 8, 1909 and December 20, 1909 is hereto attached.



U. S. Surveyor General for Arizona.

Phoenix, Arizona,

December 22, 1909.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Geo. C. Clark

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 _____

Kelvin Development Company

known as the Tenderfoot, Oya Lunch, Big Gray, Old Joe, Blue Bird & Red Bird

and showing the respective capacities in which they acted.

Fred M. Woolf _____, *Chainman.*

Manuel Revelo _____, *Chainman.*

_____, *Arman.*

_____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, Fred M. Woolf

and Manuel Revelo, do solemnly swear that we assisted _____

Geo. C. Clark, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Kelvin Development Company

known as the Tenderfoot, Oya Lunch, Big Gray, Old Joe, Red Bird & Blue Bird
~~Mining Claims, Survey No. 2668~~

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 instruc-

tions furnished by the United States Surveyor-General for Arizona

Fred M. Woolf _____, *Chainman.*

Manuel Revelo _____, *Chainman.*

_____, *Arman.*

_____, *Flagman*

Subscribed and sworn to by the above-named persons before me this 26th

day of June, 1909

*My commission
June 9th 1912*

*J. Laberna
Notary Public*

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Geo. C. Clark, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
May 29th 1909, 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 Kelvin Development Company
, known as the
Penderfoot, Oya Sun ch, Big Gray, Old Joe, Red Bird,
Blue Bird
situate in Musual Creek Mining District,
Pinal County, Arizona ^{Approximately} in Section
No 36 and Township No. 3 and, Range No. 13 E, unswayed, S + S.R. B + M
No 1, and designated as Survey No. 21668, 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 per-
petuated in strict accordance with the law, official regulations and instructions there-
under; 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.

Geo. C. Clark
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Geo. C. Clark
U. S. Mineral Surveyor, before me Sara M. Walker
Notary Public this 21
day of June, 1909

Sara M. Walker
Notary Public

My commission expires
Jan 26, 1911.

Affidavit of Five Hundred Dollars Improvements.

we, R M Raymond and W E Easton

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Dunderfoot, Aya Lunch, Big Gray, Old Joe, ~~Blue Bird, Red Bird,~~ mining claim,

situate in Mineral Creek Mining district, Pinal County,

Arizona Territory, for which ~~the~~ Kelvin Development Company

have made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicants and their grantor exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

R. M. Raymond,
W. E. Easton

TERRITORY OF ARIZONA, }
County of Pinal } ss:

Sworn to and subscribed before me, this 14

day of June, 1909



J. J. Coleman
Notary Public

Commission Expires June 9, 1912

AMENDED
Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Tenderfoot 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 purposes of exploration and purchased by The Kelvin Development Company by J. J. Maxie, agent (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 15th day of May 1909

The length of this claim is 1500 feet, and W. e claim 720 feet, in a S. westerly direction and 780 feet in a N. easterly 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~~ N. easterly ~~to the~~ S. westerly

The claim is situated and located in the Mineral Creek Mining District, in Pinal County, in the Territory of Arizona, about One mile in a N. easterly direction from Kelvin, the West end is in Mineral Creek and joins the East end of the Dunham, Survey No 1590

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a pine post in a mound of stones at a point in a Southwesterly direction 720 feet from the discovery shaft (at which this notice is posted), being in the center of the West end line of said claim; thence North 367 1/2 feet to a Pine post in a mound of stones, being the N. W corner of said claim; thence N. easterly 1500 feet to a post in mound of stones, being at the N. E corner of said claim; thence South 367 1/2 feet to a post in a mound of stones at the center of the East end of said claim; thence South 367 1/2 feet to a post in a mound of stones being at the S. E corner of said claim; thence S. westerly 1500 feet to a post in mound of stones at the S. W corner of said claim; thence North 367 1/2 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Tenderfoot Mining Claim, located by A. H. Patten and A. Donado on the 1st day of January 1909, and recorded in Book C of Records of Mines, at page 372, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 15th day of May 1909
Kelvin Development Company
by J. J. Maxie

TERRITORY OF ARIZONA,

County of Pinal } ss.

I, W. S. Watson, County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock A. M., on this 17 day of May 1909 and duly recorded in Book No. 1 of Mines Amended Records of Pinal County, Arizona, at pages 192

WITNESS my hand and official seal the day and year first above written.

W. S. Watson

County Recorder.

AMENDED
Notice of Location.

LODE CLAIM.

Tender Foot

Dated May 15 1909

Filed and Recorded at request of

Geo. C. Clark

May 17 A. D. 1909

at 9 o'clock A. M.

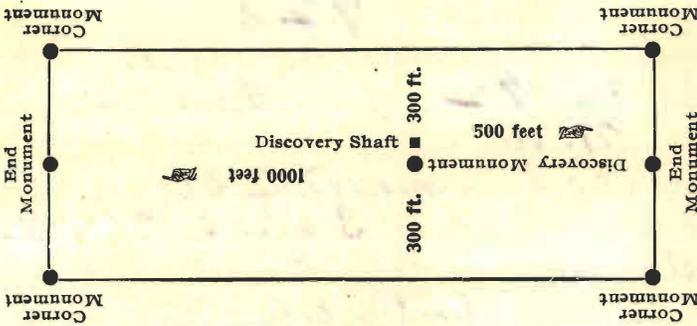
Book No. 1 of Mines Amended

Pages 192

W. S. Watson
County Recorder.

By _____
Deputy Recorder.

The H. H. McNeil Co., Printers, Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

J. A. Jones, Secty
Keihin Development Co.,
123 W. 1st St.,
Phoenix,
Arizona.

MAY 28 1909

AMENDED Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Aya Luch
 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 purposes of exploration and
 purchased by The Kelvin Development Company
 by J. J. Maxie, Agent
 (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 15th day of May 1909

The length of this claim is 1500 feet,
 and The claim Seventy feet,
 in a Southwesterly direction and
1430 feet in a Northeasterly 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
Northeasterly and to the Southwesterly

The claim is situated and located in the Mineral Creek Mining District, in
Pinal County, in the Territory of Arizona, about One mile
 in a North direction from Kelvin, the Wend is in
Mineral Creek + its center is about 800ft in a
Northeasterly direction from U. S. M. M. No 15-90 and adjoins
the Tenderfoot, Big Gray and Red Bird claims on the S, N & E respectively

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
Pine post in a mound of stones
 at a point in a Southwesterly direction Seventy feet from
 the discovery shaft (at which this notice is posted), being in the center of the West
 end line of said claim; thence Northeasterly 307 feet to a Post in mound of
stones, being the N. W corner of said claim; thence
N. easterly 1500 feet to a post in mound of stones, being at the
N. east corner of said claim; thence S. easterly 307 feet
 to a post in mound of stones at the center of the East end of said claim;
 thence S. easterly 307 feet to a post in mound of stones, being at the
S. E. corner of said claim; thence S. westerly 1500
 feet to a post in mound of stones at the S. W corner of said claim;
 thence N. westerly 307 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
 the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and
 Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Aya Luch
 Mining Claim, located by Geo. Emmett and J. J. Maxie
 on the 1st day of
March 1905, and recorded in Book 22 of Records of Mines, at
 page 243 in the office of the County Recorder of the aforesaid County of Pinal
 to which reference is hereby made, and this Amended Location Notice is made and posted to correct
 errors in the description in the said original Location Notice.

Dated and posted on the ground this 15 day of May 1909
Kelvin Development Company
by J. J. Maxie

County of Pinal

I, H. Watson, County Recorder in and for the County and

Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock a M.,

on this 17th day of May 1909 and duly recorded in Book No. 1

of Mines Amended Records of Pinal County, Arizona, at pages 190

WITNESS my hand and official seal the day and year first above written.

H. Watson
County Recorder.

MAY 28 1909

AMENDED
Notice of Location.
LODE CLAIM.

Ouya Swack

Dated May 15th 1909

Filed and Recorded at request of

Geo. C. Clark

May 17th A. D. 1909
at 9 o'clock, a. m.

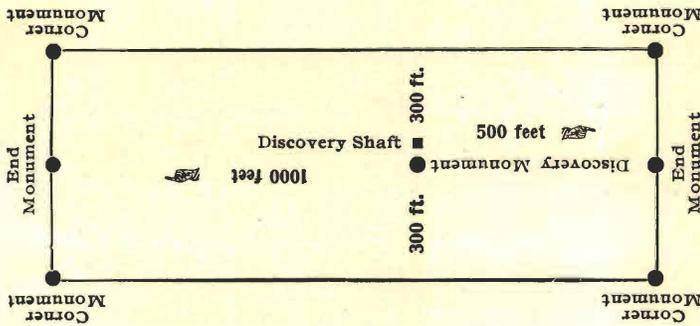
Book No 1 of Mines Amended

Pages 190 - 190

H. Watson
County Recorder.

By _____
Deputy Recorder.

The H. H. McNeil Co., Printers, Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

AMENDED

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Big Gray 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 purposes of exploration and purchased by Kelvin Development Company

by J. J. Maxie, agent
(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 15th day of May 1909

The length of this claim is 1500 feet,
and W. E. claim 1480 feet,
in a Southwesterly direction and (20)
twenty feet in a Northeasterly 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
Southwesterly to the Northeasterly

The claim is situated and located in the Mineral Creek Mining District, in
Pinal County, in the Territory of Arizona, about 1 1/4 miles
in a North direction from Kelvin, the N. end is in

Mineral Creek of the N.W. corner touches the E. end
Old Spanish Survey No. 19757 is bounded on the N + S by the
Old Joe + Oya Lumber Claims respectively, on Ely Red Bird + Blue Bird
claims

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
A Pine Post in a mound of stones

at a point in a Northeasterly direction twenty feet from
the discovery shaft (at which this notice is posted), being in the center of the East
end line of said claim; thence Westerly 307 feet to a post in a mound
of stones, being the N. E. corner of said claim; thence
S. westerly 1500 feet to a post in a mound of stones, being at the
N. W. corner of said claim; thence Southwesterly 307 feet
to a post in a mound of stones at the center of the West end of said claim;
thence Southwesterly 307 feet to a post in mound of stones, being at the
S. W. corner of said claim; thence Northeasterly 1500
feet to a post in mound of stones at the S. E. corner of said claim;
thence Westerly 307 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and
Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Big Gray
Mining Claim, located by Geo. Emmett and J. J. Maxie
on the 1st day of

January 1905, and recorded in Book 22 of Records of Mines, at
page 242, in the office of the County Recorder of the aforesaid County of Pinal
to which reference is hereby made, and this Amended Location Notice is made and posted to correct
errors in the description in the said original Location Notice.

Dated and posted on the ground this 15th day of May 1909

Kelvin Development Company
By J. J. Maxie - agent.

County of Pinal ss.

I, J. Swatson, County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock A.M., on this 17th day of May 1909 and duly recorded in Book No. 1 of Mines Amended Records of Pinal County, Arizona, at pages 186

WITNESS my hand and official seal the day and year first above written.

J. Swatson
County Recorder.

MAY 28 1909

AMENDED
Notice of Location.
LODE CLAIM.

Big Spring

Dated May 15th 1909

Filed and Recorded at request of

Geo. C. Clark

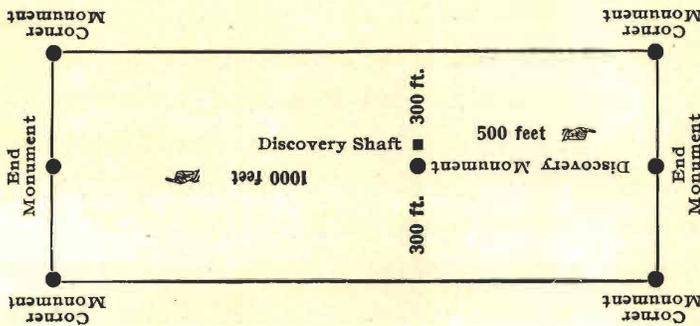
May 17th A. D. 1909
at 9 o'clock, A.M.

Book No. 1 of Mines Amended
Pages 186

J. Swatson
County Recorder.

By _____
Deputy Recorder.

The H. H. McNeil Co., Printers, Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

Return to recorder's office

AMENDED

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Old Jal
 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 purposes of exploration and
 purchased by Kelvin Development Company
 by J. J. Maxie, agent
 (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 15th day of May 1909

The length of this claim is 1500 feet,
 and 157 claim 157 feet,
 in a S westerly direction and
1343 feet in a Northeasterly 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
Northeasterly to the Southwesterly

The claim is situated and located in the Mineral Creek Mining District, in
Pinal County, in the Territory of Arizona, about 1/4
 in a North direction from Kelvin, the Wendie in Mineral
Creek adjoining E end of Old Spanish Survey No 1975
and is bounded on the N + S by the Lone Star and Big
Gray lodes, respectively, and on N by Blue Bird and Golden Eye claims

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
fire post in a mound of stones
 at a point in a S westerly direction 157 feet from
 the discovery shaft (at which this notice is posted), being in the center of the W
 end line of said claim; thence N westerly 307 feet to a post in a mound
of stones, being the N. W. corner of said claim; thence
N. Easterly 1500 feet to a post in mound of stones, being at the
Northeast corner of said claim; thence S westerly 307 feet
 to a post in a mound of stones at the center of the East end of said claim;
 thence Northeasterly 307 feet to a post in a mound of stones, being at the
S. E. corner of said claim; thence S westerly 1500
 feet to a post in mound of stones at the S. W. corner of said claim;
 thence N. Easterly 307 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
 the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and
 Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Old Jal
 Mining Claim, located by Geo. Bennett and J. J. Maxie
 on the 12th day of
March 1905, and recorded in Book 22 of Records of Mines, at
 page 328, in the office of the County Recorder of the aforesaid County of Pinal
 to which reference is hereby made, and this Amended Location Notice is made and posted to correct
 errors in the description in the said original Location Notice.

Dated and posted on the ground this 15th day of May 1909

Kelvin Development Company
by J. J. Maxie

County of Pinal ss.

I, H. S. Watson, County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock A.M., on this 17th day of May 1909 and duly recorded in Book No. 1 of Mines Amended Records of Pinal County, Arizona, at pages 189

WITNESS my hand and official seal the day and year first above written.

H. S. Watson
County Recorder.

AMENDED
Notice of Location.
LODE CLAIM.

Old Joe

Dated May 15th 1909

Filed and Recorded at request of

Geo. E. Clark

May 17th A. D. 1909
at 9 o'clock. A.M.

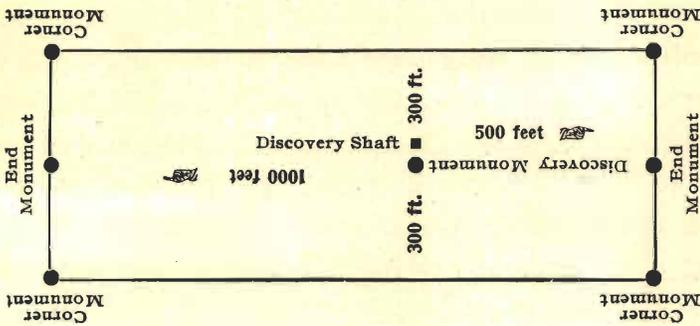
Book No. 1 of Mines Amended

Pages 189 189

H. S. Watson
County Recorder.

By _____
Deputy Recorder.

The H. H. McNeil Co., Printers, Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

MAY 23 1909

AMENDED

37

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Blue Bird 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 purposes of exploration and purchased by The Helvin Development Company

by Fred Wolf, Agent
(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 24th day of May 1909

The length of this claim is 1500 feet,
and the claim 330 feet,

in a Westerly direction and 1180 feet in a N. Westerly 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 Northwesterly to the Westerly

The claim is situated and located in the Mineral Creek Mining District, in Pinal County, in the Territory of Arizona, about one mile in a North direction from Helvin and the Helvin about 1400 ft E. of Mineral Creek and adjoins the Big Gray to the Golden by across N. the Golden Bell and E. of Red Bird Locations and S.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at A pine post in a mound of stones

at a point in a Easterly direction 320 feet from the discovery shaft (at which this notice is posted), being in the center of the E end line of said claim; thence S. Easterly 304.5 feet to a post in a mound of stones, being the S. E. corner of said claim; thence Westerly 1500 feet to a post in a mound of stones, being at the S. W. corner of said claim; thence N. Westerly 304.5 feet to a post in a mound of stones at the center of the W end of said claim; thence N. Westerly 304.5 feet to a post in a mound of stones, being at the N. W. corner of said claim; thence Easterly 1500 feet to a post in a mound of stones at the N. E. corner of said claim; thence Westerly 304.5 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Blue Bird Mining Claim, located by J. J. Masie and George Emmert on the 7th day of

January 1905, and recorded in Book 22 of Records of Mines, at page 240, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 24th day of May 1909

Helvin Development Company
by Fred Wolf
Agent

I, G. F. Watson, County Recorder in and for the County and

Territory aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock P. M.,

on this 25th day of May 1909, and duly recorded in Book No. 1

of Mines Amended Records of Pinal County, Arizona, at pages 193

WITNESS my hand and official seal the day and year first above written.

G. F. Watson
County Recorder.

MAY 28 1909
F. A. Jones
Box 421
Phoenix, Ariz

AMENDED
Notice of Location.
LODE CLAIM.

INDEXED

Blue Bird...

Dated May 24th 1909

Filed and Recorded at request of

F. A. Jones.

May 25th A. D. 1909

at 1 O'clock P. M.

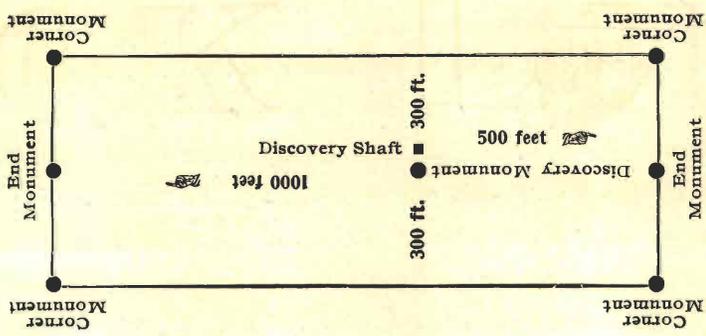
Book 1 of Mines Amended

Pages 193 - 193

G. F. Watson.
County Recorder.

By M. E. Wells.
Deputy Recorder.

The H. H. McNeil Co., Printers, Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Red Bird 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 purposes of exploration and purchased by Kelvin Development Company

by J. J. Maxie Agent
(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 15th day of May 1909

The length of this claim is 1500 feet,
 and W. 100 feet,
 in a Easterly direction and 1400
feet in a N. Westerly 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
Easterly to the Westerly

The claim is situated and located in the Mineral Creek Mining District, in
Pinal County, in the Territory of Arizona, about 1 mile
 in a N. Westerly direction from Kelvin and the Discovery Shaft
is about 2900 ft E of Mineral Creek, it is bounded on N. by
Big Gray + Oys Lunch Eder, on N. by Blue Bird on E by Black Bird
Elmer B by Kelvin No 1 Claims

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
Pine post in a mound of stones
 at a point in a Easterly direction 100 feet from
 the discovery shaft (at which this notice is posted), being in the center of the 8
 end line of said claim; thence N. Westerly 304.5 feet to a post in a mound
of stones, being the N. E. corner of said claim; thence
Westerly 1500 feet to a post in a mound of stones, being at the
N. W. corner of said claim; thence S. Easterly 304.5 feet
 to a post in a mound of stones at the center of the W. end of said claim;
 thence S. Easterly 304.5 feet to a post in a mound of stones, being at the
S. W. corner of said claim; thence Easterly 1500
 feet to a post in a mound of stones at the S. E. corner of said claim;
 thence N. Westerly 304.5 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Red Bird Mining Claim, located by J. J. Maxie on the 1st day of January 1905, and recorded in Book 22 of Records of Mines, at page 339, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 15th day of May 1909
Kelvin Development Company
by J. J. Maxie

County of Pinal

I, J. Swatson, County Recorder in and for the County and

Territory aforesaid, do hereby certify that the within instrument was filed for record at 9 o'clock a M.,

on this 17 day of May 1909 and duly recorded in Book No. 1

of Miner Amended Records of Pinal County, Arizona, at pages 191

WITNESS my hand and official seal the day and year first above written.

J. Swatson

County Recorder.

MAY 28 1909

AMENDED
Notice of Location.
LODE CLAIM.

Red Bird

Dated May 15 1909

Filed and Recorded at request of

Geo C Clark

May 17 A. D. 1909

at 9 o'clock, A. M.

Book No 1 of Miner Amended

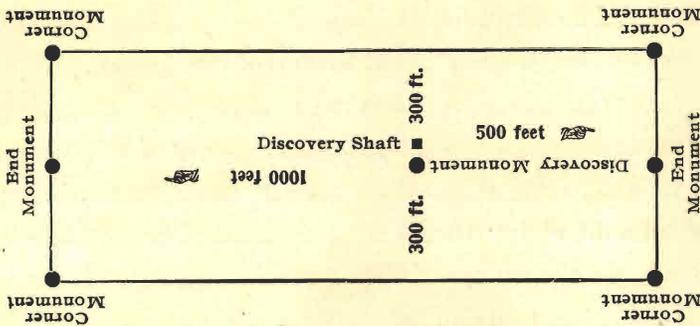
Pages 191

J. Swatson

County Recorder.

By J. Swatson Deputy Recorder.

The H. H. McNeil Co., Printers, Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

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

DEPARTMENT OF THE INTERIOR,
Office of U. S. Surveyor General,

Phoenix, Arizona, October 21, 1909.

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 Kelvin Development Company, known as the Tenderfoot, Oya Lunch, Big Gray, Old Joe, Blue Bird and Red Bird, situate in Mineral Creek Mining District, Pinal County, Arizona, approximately in Sections 1 and 36, Ts. 3 and 4 S., R. 13 E., unsurveyed, and designated as Survey No. 2668, 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 the improvements made upon said mining claims by claimant or its grantors, consist of, at time of survey, 17 shafts, 9 cuts, 2 tunnels, 1 upraise and 40 ft. of drifts.

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 S. Ingalls,
U. S. 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,

October 21, 1909.

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

Kelvin Development company

, known as the Tenderfoot, Oya Lunch, Big Gray, Old Joe, Blue Bird, Red Bird.

situate in Mineral Creek mining district,

Pinal County, Arizona.

in Section 36 & 1, Township No. 3 & 4 S., Range No. 13 E., Unsur.

, designated as Survey No. 2668

executed by Geo. C. Clark, U. S. Deputy Mineral

Surveyor, June 2-7, 1909, under my instructions dated

May 29th and June 7th, 1909, 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.

Frank J. Ingalls

U. S. Surveyor-General for Arizona.