

FIELD NOTES

OF THE RESURVEY OF

Part of the Subdivision lines of

Township 15 South, Range 17 East,

AND THE SURVEY OF

the SULPHIDE No.1, FLORINE, WASHINGTON No.1, SAUNDERS, & LIBERTY No.2

lode mining claims, all within Sec. 10 of

TOWNSHIP 15 SOUTH, RANGE 17 EAST

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

D.R.Averill, U.S.Surveyor

In the capacity of U. S. Surveyor, under Special Instructions dated June 27, 1922, issued by the United States Surveyor General to govern surveys included in Group No. 133, Arizona, which were approved by the Commissioner of the General Land Office, July 7, 1922, and Assignment Instructions dated January 5, 1925.

Resurvey & Survey commenced April 17, 1925.

Resurvey & Survey completed April 20, 1925.

3782

3782

INDEX DIAGRAM.

Township 15 South, Range 17 East

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BOOK 3782

DATE

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INDEX DIAGRAM.

Township 15 South, Range 17 East

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Resurveys and surveys hereinafter described were executed on dates shown on diagram on page 2, hereof, by D.R. Averill, U.S. Surveyor, using Buff and Buff solar transit No. 9984. The instrument is equipped with a full vertical circle and Smith solar attachment. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

April 12, 1925: Examine the adjustments of the instrument and find no errors; then to test the solar apparatus by comparing its indications resulting from observations made during a.m. and p.m. hours with a meridian established by observation on Polaris, proceed as follows:

April 12, 1925; In camp near the center of sec. 10, T.11 S., R.19 E., on meridian described in Book " " of Group 125, Arizona, at 8^h 00^m a.m., l.m.t., set off 32°29'N. on the lat. arc and 8°38'N. on the decl. arc and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian through the solar; the resulting reading of the decl. arc is 8°42'N., which agrees with the computed declination of the sun.

At 4^h 00^m p.m., l.m.t., with the lat. arc unchanged, set off 8°46'N. on the decl. arc and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations taken during the usual hours of solar work come within 2' of the true meridian, conclude that the adjustments of the instrument are satisfactory.

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chains in length, compared with a Lufkin standard steel tape, 1 chain in length and found correct. The measurements are made on the slope, the vertical angles determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of Part of Subdivision Lines of T. 15 S., R.17 E.

Chains

The subdivision lines of T.15 S., R.17 E. were surveyed in 1893 by J.H.Martineau, D.S.
No retracements or resurveys of lines surveyed at that time are of record.

The following notes describe a resurvey of part of those subdivision lines.

RETRACEMENT FOR RESURVEY

40.26 From the cor. of secs. 3,4,9 and 10, hereinafter described. South, on a random line, bet. secs. 9 and 10. (N. $\frac{1}{2}$).
Fall 60 lks. E. of the original $\frac{1}{4}$ sec. cor. of secs. 9 and 10, hereinafter described.
True course and dist. of this $\frac{1}{2}$ mile are therefore, S. $0^{\circ}52'W.$, 40.27 chs.

40.00 Thence South, on a random line, bet. secs. 9 and 10 (S. $\frac{1}{2}$).
Diligent search in this vicinity reveals no trace of the original cor. of secs. 9,10,15 and 16. Set temp. point.

39.64 Thence South, on a random line.
Fall 124 lks. W. of the original $\frac{1}{4}$ sec. cor. of secs. 15 and 16, hereinafter described.

39.69 From the $\frac{1}{4}$ sec. cor. of secs. 9 and 16, hereinafter described,
East, on a random line.
Fall 30 lks. N. of temp. point for secs. 9,10,15 and 16.

40.36 Thence East, on a random line.
Fall 22 lks. S. of the $\frac{1}{4}$ sec. cor. of secs. 10 and 15, hereinafter described.

True courses and distances of the $\frac{1}{2}$ miles on each of the four sides of the proportionately reestablished cor. of secs. 9,10,15 and 16 are, therefore:
For the S. $\frac{1}{2}$ of line bet. secs. 9 and 10, S. $0^{\circ}51'E.$, 39.82 chs.
For N. $\frac{1}{2}$ of line bet. secs. 15 and 16, S. $0^{\circ}56'E.$, 39.82 chs.
For E. $\frac{1}{2}$ of line bet. secs. 9 and 16, S. $89^{\circ}50'E.$, 40.28 chs.
For W. $\frac{1}{2}$ of line bet. secs. 10 and 15, N. $89^{\circ}31'E.$, 31.77 chs.

32.59 From the $\frac{1}{4}$ sec. cor. of secs. 10 and 15, hereinafter described.
East, on a random line, bet. secs. 10 and 15 (E. $\frac{1}{2}$).
Fall 7 lks. N. of the cor. of secs. 10,11,14 and 15, hereinafter described.
True course and dist. of this $\frac{1}{2}$ mile are, therefore, S. $89^{\circ}53'E.$, 32.59 chs.

39.87 Thence North, on a random line, bet. secs. 10 and 11, (S. $\frac{1}{2}$).
Fall 24 lks. W. of the $\frac{1}{4}$ sec. cor. of secs. 10 and 11, hereinafter described.
True course and dist. of this $\frac{1}{2}$ mile are, therefore, N. $0^{\circ}21'E.$; 39.87 chs.

40.37 Thence North, on a random line, bet. secs. 10 and 11 (N. $\frac{1}{2}$).
Fall 6 lks. E. of the cor. of secs. 2,3,10 and 11.
True course and dist. of this $\frac{1}{2}$ mile are, therefore, N. $0^{\circ}05'W.$, 40.37 chs.

Resurvey of part of Subdivision Lines of T.15 S., R.17 E.

| | | | | | | | | | |
|--|---|------|------|------|-----|-----|------|------|--|
| Chains | Thence | | | | | | | | |
| 38.86 | West, on a random line, bet. secs. 3 and 10. (E. $\frac{1}{4}$). Fall 12 lks. S. of the original $\frac{1}{4}$ sec. cor. of secs. 3 and 10, hereinafter described. True course and dist., of this $\frac{1}{2}$ mile are, therefore, N.89°50'W., 38.86 chs. | | | | | | | | |
| 33.55 | Thence West, on a random line bet. secs. 3 and 10 (W. $\frac{1}{2}$). Fall 60 lks. N. of the cor. of secs. 3, 4, 9 and 10, hereinafter described. True course and dist. of this $\frac{1}{2}$ mile are, therefore, S.88°59'W., 33.56 chs. | | | | | | | | |
| ----- <u>RESURVEY</u> ----- | | | | | | | | | |
| The original cor. of secs. 3, 4, 9 and 10 is a gneiss stone, 24x20x9 ins., set 16 ins. in the ground, marked with 5 grooves on S. and 3 grooves on E. faces, witnessed by a mound of stone West. Restore this cor. monument as follows: Remove mound of stone and beside stone cor.: Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap | | | | | | | | | |
| <table border="0"> <tr><td>T15S</td><td>R17E</td></tr> <tr><td>S 4</td><td>S 3</td></tr> <tr><td>S 9</td><td>S 10</td></tr> <tr><td colspan="2">1925</td></tr> </table> | | T15S | R17E | S 4 | S 3 | S 9 | S 10 | 1925 | |
| T15S | R17E | | | | | | | | |
| S 4 | S 3 | | | | | | | | |
| S 9 | S 10 | | | | | | | | |
| 1925 | | | | | | | | | |
| Raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high around post. No trees available for bearing trees. | | | | | | | | | |
| 40.27 | Thence S.0°52'W., on a true line, bet. secs. 9 and 10 (N. $\frac{1}{2}$). Over rolling land; thru scattering undergrowth. Intersect the original $\frac{1}{4}$ sec. cor. of secs. 9 and 10, which is a porphory stone 17x12x9 ins. set in a mound of stone, marked $\frac{1}{4}$ on W. face. Reconstruct this cor. monument as follows: Remove the mound of stone, and in center of its position, reset the old corner stone, 14 ins. in the ground, and alongside same; set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap | | | | | | | | |
| <table border="0"> <tr><td>S9</td><td>S10</td></tr> <tr><td colspan="2">1925</td></tr> </table> | | S9 | S10 | 1925 | | | | | |
| S9 | S10 | | | | | | | | |
| 1925 | | | | | | | | | |
| No trees available for bearing trees. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. A fence brs. E. and W. from this cor. A fence brs. S. from a point 60 lks. E. of this cor. | | | | | | | | | |
| 60.20 | Thence S.0°51'E., on a true line, bet. secs. 9 and 10 (S. $\frac{1}{2}$). (Continued measurement). | | | | | | | | |
| 67.60 | Old road, brs. N.20°W. and S.20°E. Enter scattering timber. | | | | | | | | |
| 68.10 | Fence, brs. NE. and SW. | | | | | | | | |
| 73.10 | Telephone line, brs. S.75°W. and N.75°E. Rincon Ranger Station brs. E. approx. 3 chs. dist. | | | | | | | | |
| 80.09 | Fence brs. N.60°W., and S.60°E. | | | | | | | | |
| | Point for reestablishment (by double proportion) of cor. of secs. 9, 10, 15 and 16. Set an iron post, 3 ft. long, 2 ins. in dia., 27 ins. in the ground, for reestablished cor. of secs. 9, 10, 15 and 16, marked on brass cap | | | | | | | | |

Chains

| | |
|------|------|
| T15S | R17E |
| S 9 | S10 |
| S16 | S15 |
| 1925 | |

from which

- A sycamore, 48 ins. in dia., brs. N. $30\frac{1}{2}^{\circ}$ E., 86 lks. dist., marked T15S R17E S10 BT.
- A hackberry, 22 ins. in dia., brs. S $38\frac{1}{2}^{\circ}$ E., 335 lks. dist., marked T15S R17E S15 BT.
- An ash, 22 ins. in dia., brs. S. $79\frac{3}{4}^{\circ}$ W., 218 lks. dist., marked T15S R17E S16 BT.
- A mesquite, 8 ins. in dia., brs. N. $54\frac{1}{2}^{\circ}$ W., 119 lks. dist., marked T15S R17E S9 BT.

Land: rolling.

Soil: loam, 1st and 2nd rates.

Timber: ash, hackberry, cottonwood and sycamore.

Undergrowth: mesquite, palo verde, catclaw, ocotillo, prickly pear and cactus.

Thence

S. $0^{\circ}56'$ E., on a true line bet. secs. 15 and 16 (N. $\frac{1}{4}$).
Over level land; thru dense undergrowth and scattering timber.

- 0.90 Dry wash, 4 ft. deep, 35 lks. wide, course W.
- 24.00 Dry wash, 4 ft. deep, 30 lks. wide, course N. 75° W.
- 32.40 Road, brs. NE. and SW.
- 39.60 Dry wash, 35 lks. wide, course NW.
- 39.82 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 15 and 16, which is a granite rock, 15x6x5 ins. marked $\frac{1}{4}$ on W. face.

Reconstruct this cor. monument as follows:

Reset old rock 10 ins. in the ground, and beside it, set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

| | |
|---------------|-----|
| $\frac{1}{4}$ | |
| S16 | S15 |
| 1925 | |

No trees available for bearing trees.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land: level, 38.80 chs. agricultural.

Soil: sandy loam, 1st rate.

Timber: cottonwood, sycamore and hackberry.

Undergrowth: mesquite and catclaw.

The $\frac{1}{4}$ sec. cor. of secs. 9 and 16 is a granite stone, 15x9x6 ins., set in a mound of stone, marked $\frac{1}{4}$ on N. face. No accessories.

Reconstruct this cor. monument as follows:

Reset old stone 10 ins. in the ground, and beside it, set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

| | |
|---------------|-----|
| $\frac{1}{4}$ | S9 |
| | S16 |
| 1925 | |

No trees available for bearing trees.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Thence

S. $89^{\circ}50'$ E., on a true line, bet. secs. 9 and 16 (E. $\frac{1}{4}$).
Over gently rolling land; thru scattering undergrowth.

Resurvey of Part of Subdivision Lines of T.15 S., R.17 E.

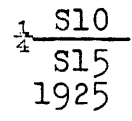
Chains

6.30 Dry wash, 50 lks. wide, course SW.
40.28 Intersect the re-established cor. of secs. 9,10,15 and 16, hereinbefore described.

Land: gently rolling.
Soil: gravelly, 2nd rate.
Timber: none.
Undergrowth: mesquite, palo verde, ocatillo, catclaw, sahuaro and prickly pear.

N.89°31'E., on a true line, bet. secs. 10 and 15 (W.1/8).
Over gently rolling land; thru scattering undergrowth and very scattering timber.

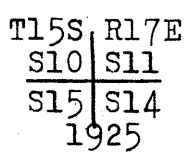
1.30 Fence brs. N. and S.
1.95 Wash, 1 ch. wide, course S.75°W.
5.05 Road, brs. NE. and SW.
21.15 Fence, brs. N. and S.
39.77 Intersect the original 1/4 sec. cor. of secs. 10 and 15, which is a granite stone, 18x10x10 ins. above ground, marked 1/4 on N. face.
Reconstruct this cor. monument as follows:
Beside old stone, set an iron post, 3 ft. long, 1 in. in dia., 22 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Remove mound of stone from N. and raise a mound of stone 3 ft. base, 1 ft. high around post.
No trees available for bearing trees.

Thence
S.89°53'E., on a true line, bet. secs. 10 and 15 (E.1/8).
(Continued measurement.)

65.60 Old road, brs. N. and S.
72.36 Intersect the original cor. of secs. 10,11,14 and 15, which is a lava stone, 17x9x9 ins., set 12 ins. in the ground, marked with 4 grooves on S. and 2 grooves on E. faces, witnessed by a mound of stone W.
Reconstruct this cor. monument as follows:
Beside old stone, set an iron post, 3 ft. long, 2 ins. in dia., 27 ins. in the ground, for cor. of secs. 10, 11,14 and 15, marked on brass cap



Original mound of stone, 3 ft. base, 1 1/2 ft. high, brs. W.
No trees available for bearing trees.

Land: gently rolling, and broken.
Soil: rocky, 3rd rate.
Timber: cottonwood, sycamore and hackberry.
Undergrowth: mesquite, palo verde, ocatillo, sahuaro, catclaw and prickly pear.

N.0°21'E., on a true line, bet. secs. 10 and 11 (S.1/2).
Over broken land; thru scattering undergrowth.

Desc. 35 ft. over N. slope.
11.80 Wash, 30 lks. wide, course W. Timber in bottom.
15.10 Wash, 30 lks. wide, course SW. Timber in bottom.
Asc. 70 ft. over S. slope.
21.10 Top of ascent; over rolling land.

Resurvey of part of the Subdivision Lines of T.15 S., R.17 E.

| | |
|--------|---|
| Chains | |
| 34.60 | Dry wash, 8 lks. wide, course S.75°W. Asc. 40 ft. over SE. slope. |
| 39.87 | Intersect the original $\frac{1}{4}$ sec. cor. of secs. 10 and 11, which is a lava stone, 18x12x10 ins. marked $\frac{1}{4}$ on W. face, witnessed by a mound of stone W. Reconstruct this cor. monument as follows: Reset old stone 12 ins. in the ground, and beside it, set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked |
| | $\begin{array}{c} \frac{1}{4} \\ \\ S10 S11 \\ \\ 1925 \end{array}$ |
| | Raise a mound of stone, 4 ft. base, 2 ft. high around post. Original mound of stone left as found. No trees available for bearing trees. |
| | Thence N.0°05'W., on a true line, bet. secs. 10 and 11(N. $\frac{1}{2}$) (Continued measurement). Asc. 46 ft. over SE. slope. |
| 43.00 | Top of ascent; over broken land. |
| 64.00 | Asc. 295 ft. over SW. slope. |
| 80.24 | Intersect the original cor. of secs. 2,3,10 and 11, which is a quartz stone, 24x18x10 ins. marked with 5 grooves on S. and 2 grooves on E. faces, witnessed by a mound of stone W. Reconstruct this cor. monument as follows: Remove mound of stone, and reset old marked stone 18 ins. in the ground, and beside it, set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, for cor. of secs. 2,3,10 and 11, marked on brass cap |
| | $\begin{array}{c} T15S R17E \\ \hline S3 S2 \\ \hline S10 S11 \\ \\ 1925 \end{array}$ |
| | Raise a mound of stone, 4 ft. base, 1 $\frac{1}{2}$ ft. high around post. |
| | Land: rolling and broken. Soil: rocky, 3rd rate. Timber: sycamore, ash and cottonwood. Undergrowth: buckthorn, mesquite, palo verde, mescal, ocatillo, sahuaro, prickly pear and catclaw. |
| | ----- |
| | N.89°50'W., on a true line, bet. secs. 3 and 10 (E. $\frac{1}{2}$). Over rolling-mountainous land; thru scattering under- growth. |
| 8.90 | Desc. 140 ft. over W. slope. Wash, 6 lks. wide, course SW. Asc. 120 ft. over SE. slope. |
| 17.00 | Spur, slopes S. Desc. 210 ft. over SW. slope. |
| 34.40 | Foot of descent; over rolling land. |
| 38.86 | Intersect the original $\frac{1}{4}$ sec. cor. of secs. 3 and 10, which is a lava stone, 14x12x6 ins. set in a mound of stone, marked $\frac{1}{4}$ on N. face, witnessed by a mound of stone N. Reconstruct this cor. monument as follows: Remove mound of stone and beside old marked stone, set an iron post, 3 ft. long, 1 in. in dia., on cross (+) on bedrock, for $\frac{1}{4}$ sec. cor., marked on brass cap |
| | $\begin{array}{c} \frac{1}{4} S3 \\ \\ S10 \\ \\ 1925 \end{array}$ |

Resurvey of part of the Subdivision lines of T.15 S., R.17 E.

Chains

Raise a mound of stone, 5 ft. base, 2½ ft. high around post.
 No trees available for bearing trees.

Thence
 S88°59'W., on a true line, bet. secs. 3 and 10 (W.½).
 (Continued measurement).
 Desc. 125 ft.
 Telephone line, brs. NE. and SW.
 47.20 Wash, 30 lks. wide, course S.
 66.80 Asc. 40 ft. over E. slope.
 72.42 Intersect the cor. of secs. 3,4,9 and 10, hereinbefore described.

Land: rolling and rolling-mountainous.
 Soil: rocky, 3rd rate.
 Timber: none.
 Undergrowth: catclaw, mesquite, palo verde, sahuaro, ocatillo, mescal and cactus.

Boundaries of sec. 10, Township 15 South, Range 17 East.

LATITUDES, DEPARTURES AND CLOSING ERRORS

| Line designated | True Course | Distance | Latitudes | | Departures | |
|--------------------|-------------|----------|-----------|-------|------------|-------|
| | | | N. | S. | E. | W. |
| South boundary | N.89°31'E. | 39.77 | .34 | | 39.77 | |
| | S.89°53'E. | 32.59 | | .07 | 32.59 | |
| East boundary | N.0°21'E. | 39.87 | 39.87 | | .24 | |
| | N.0°05'W. | 40.37 | 40.37 | | | .06 |
| North boundary | N.89°50'W. | 38.86 | .12 | | | 38.86 |
| | S.88°59'W. | 33.56 | | .60 | | 33.55 |
| West boundary | S.0°52'W. | 40.27 | | 40.26 | | .60 |
| | S.0°51'E. | 39.82 | | 39.82 | .59 | |
| Convergency | | | | | | .01 |
| Totals | | | 80.70 | 80.75 | 73.19 | 73.08 |
| Error in latitude | | | | 80.70 | 73.08 | |
| Error in departure | | | | .05 | .11 | |

GENERAL DESCRIPTION

Sec. 10, T. 15 S., R.17 E.

Land is rolling and broken foothills. Soil is rocky and gravelly deposit, generally of poor quality.
 Rincon Ranger Station is located in the SW. cor. of the sec., as is an abandoned farm residence.
 Mineral claims, part of which are the object of this survey are located over the low hills in the S. half of the sec.
 Water is scarce and wells are dry.
 There are cottonwood, ash and sycamore trees along Rincon Wash, which drains SW. out of the SW. cor. of the sec. A heavy growth of the usual types of desert brush covers the whole of the sec. not in washes.

Chains

The following claims were identified on the ground by the location monuments, which consisted of mounds of stone, as described in the location notices. All of the lines are either identical with, or within the location lines.

Sulphide No. 1.

0.00 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for (NW) cor. No. 1 of the "Sulphide No. 1" mining claim, marked on brass cap

S No 1
No 1
1925

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SE. of cor.

The $\frac{1}{4}$ sec. cor. of secs. 9 and 10, hereinbefore described brs. N. $72^{\circ}15'W.$, 7.73 chs. dist.

Thence, from cor. No. 1, over level land, thru dense brush. S. $0^{\circ}12'E.$, on a true line, on W. end line (1-2) of claim.

9.09 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for (SW) cor. No. 2 of "Sulphide No. 1" mining claim, marked on brass cap

No 2
S No 1
1925

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NE of cor.

Thence S. $89^{\circ}29'E.$, on a true line, on S. side line (2-3) of claim. Over level land; thru dense undergrowth.

3.00 Leave level land; asc. 30 ft.

4.28 Telephone line, brs. N. $15^{\circ}E.$ and S. $15^{\circ}W.$

6.00 Fence, brs. N. and S.

11.25 Road, brs. N. $30^{\circ}E.$ and S. $30^{\circ}W.$

13.70 Wash, 40 lks. wide, course S.

17.55 Road, brs. N. and S.

21.88 Point identical with W. end center of "Florine" claim.

Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 3 (SE) of "Sulphide No. 1" mining claim, marked on brass cap

No 3
S No 1
1925

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NW. of cor.

Thence N. $0^{\circ}12'W.$, on true line, on E. end line (3-4) of claim. Identical with Cor. No. 4 (NW) of "Florine" claim.

4.55

9.09 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, with a stone marked with cross (+) deposited beside, for cor. No. 4 (NE) of "Sulphide No. 1" mining claim, marked on brass cap

S No 1
No 4
1925

Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, around post.

Thence

Survey of mining claims within sec. 10, T.15 S., E.17 E.

Chains

- N.89°28'W., on true line, on N. side line (1-4) of claim.
Over rolling land; thru dense undergrowth.
Desc. 25 ft. over SW. slope.
1.40 Fence, brs. N. and S.
5.60 Wash, 20 lks. wide, course S.
Asc. 40 ft.
14.61 Fence, brs. NE. and SW. and W. from point 35 lks. NE.
Through corral.
15.94 Leave corral. Fence brs. N. and S.
Desc. 35 ft.
21.00 Dry wash, 45 lks. wide, course S.
21.86 Intersect cor. No. 1 (NW) of the claim, hereinbefore
described.

"FLORINE"

- 0.00 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in
the ground, for cor. No. 1 (SW) of the "Florine"
mining claim, marked on brass cap

| |
|------|
| No 1 |
| F |

1925

from which

A hackberry, 10 ins. in dia., brs. N.82°E., 367 lks.
dist., marked F No 1 BT.

An ash, 24 ins. in dia., brs. N.39°E., 72 lks.
dist., marked F.No 1 BT.

The $\frac{1}{4}$ sec. cor. of secs. 10 and 15, hereinbefore described,
brs. S.25°24'E., 25.76 chs. dist.

Thence, from Cor. No. 1, N.89°17'E., on true line, on S. side line.
Over gently rolling land; thru dense undergrowth.

Across dry wash, course S.75°W.

- 1.02 Leave wash, course S.75°W.

- 1.52 Fence, brs. N.75°E. and S.75°W.

Over cultivated land.

- 3.22 Leave cultivated land.

Fence, brs. N. and S.

- 14.70 Irrigation ditch, course SW.

- 15.30 Same ditch, course NW.

- 15.90 Enter wash, course N.80°W.

- 20.10 Leave same, course N.80°W.

- 22.72 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in
the ground, for Cor. No. 2 (SE) of "Florine" mining
claim, marked on brass cap

| |
|------|
| No 2 |
| F |

1925

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NW.
of cor.

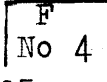
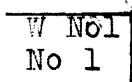
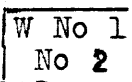
Thence

- 4.55 N.0°12'W., on true line, on E. end line (2-3) of claim.
Intersect the S. side line (3-4) of the "Washington No.
1" mining claim, at a point, 307 lks. N.89°48'E. of
its Cor. No. 3, hereinafter described.

- 9.00 Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in
the ground, with a stone, marked with cross (+)
deposited beside, for cor. No. 3 of "Florine" mining
claim, marked on brass cap

| |
|------|
| F |
| No 3 |

1925

| Chains | |
|---------------------------|---|
| | <p>Raise a mound of stone, 3 ft. base, 2 ft. high around post.</p> <p>Thence S.89°31'W., on true line, on N. side line (3-4) of claim.</p> <p>3.09 Intersect the W. end line (2-3) of "Washington No. 1" mining claim at a point 4.44 chs. N. 0°30'W. of its cor. No. 3, hereinafter described.</p> <p>9.70 Wash, 10 lks. wide, course S. Asc. 23 ft.</p> <p>12.80 Desc. slightly.</p> <p>22.66 Fence, brs. NW. and SE.</p> <p>22.71 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 4 (NW) of "Florine" mining claim, marked on brass cap</p> <div style="text-align: center;">  <p>1925</p> </div> <p>Raise a mound of stone, 3 ft. base, 1½ ft. high, SE. of cor.</p> <p>Thence S.0°12'E., on true line, on W. end line (1-4) of claim.</p> <p>4.55 Intersect cor. No. 3 of the "Sulphide No.1" mining claim, hereinbefore described.</p> <p>9.09 Intersect cor. No. 1 of claim, place of beginning, hereinbefore described.</p> |
| <u>"WASHINGTON No. 1"</u> | |
| 0.00 | <p>Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, with a stone marked with cross (+) deposited beside, for cor. No. 1 of "Washington No.1" mining claim, marked on brass cap</p> <div style="text-align: center;">  <p>1925</p> </div> <p>Raise a mound of stone, 3 ft. base, 1½ ft. high, SW. of cor.</p> <p>The * sec. cor. of secs. 10 and 11, hereinbefore described, brs. N.41°42'E., 3.43 chs. dist.</p> <p>Thence, from cor. No.1, S.89°35'W., on true line, on N. side line (1-2) of claim. Over rolling land; thru scattering undergrowth.</p> <p>3.85 Wash, 15 lks. wide, course S.</p> <p>22.04 Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, with a stone, marked with cross (+) deposited beside, for cor. No. 2 of "Washington No.1" mining claim, marked on brass cap</p> <div style="text-align: center;">  <p>1925</p> </div> <p>Raise a mound of stone, 3 ft. base, 1 ft. high around post.</p> <p>Thence S.0°30'E., on a true line, on W. end line (2-3) of claim.</p> <p>4.55 Intersect N. side line (3-4) of "Florine" mining claim at a point 3.09 chs. S.89°31'W. of its cor. No.3, hereinbefore described.</p> <p>8.99 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 3 of "Washington No.1" mining claim, marked on brass cap</p> |

Survey of mining claims within sec. 10, T.15 S., R.17 E.

Chains

No 3
W No 1

1925

Raise a mound of stone, 2 ft. base, 1½ ft. high, NE. of cor.

Thence

N.89°48'E., on a true line, on S. side line (3-4) of the claim.

3.07 Intersect E. end line (2-3) of "Florine" mining claim at a point 4.55 chs. N.0°12'W. of its cor. No. 2, hereinbefore described. Point for cor. No. 4 (NW) of the "Saunders" mining claim, hereinafter described.

12.16 Intersect point for cor. No. 3 of the "Saunders" and cor. No. 3 of the "Liberty No. 2" mining claims. Cor. monument hereinafter described.

21.25 Intersect point for cor. No. 2 of the "Liberty No.2" mining claim. Cor. monument hereinafter described.

22.05 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 4 of the "Washington No. 1" mining claim, marked on brass cap

No 4
W No 1

1925

Raise a mound of stone, 2 ft. base, 1½ ft. high, NW. of cor.

Thence

N.0°30'W., on a true line, on E. end line (1-4) of claim.

9.09 Intersect cor. No. 1 of claim, place of beginning, hereinbefore described.

"SAUNDERS"

0.00 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 1 of the "Saunders" mining claim, marked on brass cap:

No 1
S

1925

Raise a mound of stone, 2 ft. base, 1½ ft. high, NE. of cor.

The ¼ sec. cor. of secs. 10 and 15, hereinbefore described, brs. S.65°W., 12.96 chs.

Thence, from cor. No. 1.

N.89°48'E., on a true line, on S. end line (1-2) of claim.

9.09 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 2 of the "Saunders and cor. No. 4 of the "Liberty No. 2" mining claims, marked on brass cap

No 2 | No 4
S | L No 2

1925

Raise, a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Thence

N.0°17'W., on a true line, on E. side line (2-3) of claim.

Desc. -90 ft. over N. slope.

10.34 Dry wash, 30 lks. wide, course W.
Over level land.

Survey of Mining Claims within sec. 10, T.15 S., R.17 E.

Chains
 11.84 Dry wash, 25 lks. wide, course W.
 17.44 Dry wash, 25 lks. wide, course W.
 18.89 Road, brs. E. and W.
 22.64 Point on S. side line (3-4) of "Washington No. 1" mining claim. Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 3 of the "Saunders" and cor. No. 3 of the "Liberty No. 2" mining claims, marked on brass cap

| | |
|------|--------|
| S | L No 2 |
| No 3 | No 3 |
| 1925 | |

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Thence
 S.89°48'W., on a true line, on N. end line (3-4) of claim.
 9.09 Point on S. side line (3-4) of "Washington No. 1" mining claim. Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 4 of the "Saunders" mining claim, marked on brass cap

| | |
|------|--|
| S | |
| No 4 | |
| 1925 | |

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SE. of cor.

Thence
 S.0°12'E., on a true line, on W. side line (1-4) of claim.
 4.55 Intersect cor. No. 2 of "Florine" mining claim, hereinbefore described.
 5.50 Wash, course NW.
 22.64 Intersect cor. No. 1 of claim, place of beginning, hereinbefore described.

"LIBERTY No. 2"

0.00 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 1 of the "Liberty No. 2" mining claim, marked on brass cap

| | |
|--------|--|
| No 1 | |
| L No 2 | |
| 1925 | |

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NW. of cor.

The cor. of secs. 10, 11, 14 and 15, hereinbefore described, brs. S.25°15'E., 6.21 lks. dist.

Thence, from cor. No. 1,

Over gently rolling land; thru scattering undergrowth.

N.0°17'W., on a true line, on E. side line (1-2) of claim.

6.50 Wash, 100 lks. wide, course NW.
 22.62 Point on S. side line (3-4) of "Washington No. 1" mining claim. Set an iron post, 3 ft. long, 10 in. in dia., 10 ins. in the ground, with a stone marked with cross (+) deposited beside, for cor. No. 2 of "Liberty No. 2" mining claim, marked on brass cap

| | |
|--------|--|
| L No 2 | |
| No 2 | |
| 1925 | |

Survey of Mining Claims within sec. 10, T.15 S., R.17 E.

| | |
|--------|--|
| Chains | <p>Raise a mound of stone, 3 ft. base, 1½ ft. high around post.</p> <p>Thence 9.09 S.89°48'W., on a true line, on N. end line (2-3) of claim. Intersect cor. No. 3 of claim, hereinbefore described.</p> <p>Thence 22.64 S.0°17'E., on W. side line (3-4) of claim, on true line. Intersect cor. No. 4 of claim, hereinbefore described.</p> <p>Thence 9.09 N.89°48'E., on a true line, on S. end line (1-4) of claim. Intersect cor. No. 1 of claim, hereinbefore described.</p> |
|--------|--|

Boundaries of Five Mining Claims.

LATITUDES, DEPARTURES and CLOSING ERRORS

| Line designated | True Course | Dist. | Latitudes | | Departures | |
|---------------------------|-------------|-------|-----------|-------|------------|-------|
| | | | N. | S. | E. | W. |
| S. end line L No. 2 | | | | | | |
| " " " S | S.89°48'W. | 18.18 | | .06 | | 18.18 |
| W. side line S | N.0°12'W. | 18.09 | 18.09 | | | .06 |
| S. side line F | S.89°17'W. | 22.72 | | .28 | | 22.72 |
| W. end line F | N.0°12'W. | 4.54 | 4.54 | | | .02 |
| S side line S No. 1 | N.89°29'W. | 21.88 | .20 | | | 21.88 |
| W. end line S.No. 1 | N.0°12'W. | 9.09 | 9.09 | | | .03 |
| N. side line S.No.1 | S.89°28'E. | 21.86 | | .20 | 21.86 | |
| E. end line S.No. 1 | S.0°12'E. | 4.54 | | 4.54 | .02 | |
| N. side line F | N.89°31'E. | 19.62 | .17 | | 19.62 | |
| W. end line W No. 1 | N.0°30'W. | 4.55 | 4.55 | | | .04 |
| N. side line W No. 1 | N.89°35'E. | 22.04 | .16 | | 22.04 | |
| E. end line W. No 1 | S.0°30'E. | 9.09 | | 9.09 | .08 | |
| S. side line W No. 1 | S.89°48'W. | .80 | | | | .80 |
| E. side line L No. 2 | S.0°17'E. | 22.62 | | 22.62 | .11 | |
| <u>Totals</u> | | | 36.80 | 36.79 | 63.73 | 63.73 |
| | | | 36.79 | | 63.73 | |
| <u>Error in latitude</u> | | | .01 | | | |
| <u>Error in departure</u> | | | | | .00 | |

FINAL TEST

April 16, 1925; Examine the adjustments of the transit and find them correct; then to test the solar apparatus by comparing its indications, resulting from observations made during a.m. and p.m. hours with a meridian established by observation on Polaris, proceed as follows:

In camp in sec. 10, T.15 S., R.17 E., G. & S.R. Base and Meridian, Arizona, at 6^h 00^m p.m.; l.m.t.; observe Polaris at Western Elongation, making four observations, Two each with the telescope in direct and reversed positions, the mean bearing of which to a point on the distant skyline is N16°07'15"E.

Azimuth of Polaris at Western Elongation is 1°17'40".

April 19, 1925, on above meridian, at 4^h 00^m p.m., l.m.t., set off 32°08½' on the lat. arc and 11°10½' N. on the decl. arc, and determine a meridian with the solar, using which; the bearing to the Polaris point is N.14°49½'E.

April 20, 1925, at 8^h 00^m a.m., l.m.t., with the lat. arc unchanged, set off 11°28½' N. on the decl. arc, and determine a meridian with the solar, using which, the bearing to the Polaris point is N.14°49'E.

The above solar observations coming within 1' of the true meridian, conclude that the adjustments of the instrument have remained in satisfactory adjustment throughout the foregoing survey.

4-680

FIELD ASSISTANTS. TO
D.R.AVERILL, U.S.SURVEYOR

| NAMES. | CAPACITY. |
|---------------|-----------------|
| A.F.AHRENS | FIRST CHAINMAN |
| CARL ANDERSON | SECOND CHAINMAN |
| C.S.DAVIS | CORNERMAN |
| R.J.REINHART | AXMAN |
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CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group No. 133, Arizona bearing date of the 27th day of June, 1922, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Sec. 10, and the five included mineral locations,

Township 15 South, Range 17 East of the Gila & Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group No. 133, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Dupree R. Averill
U. S. Surveyor.
June 9, 1926

APPROVAL.

OFFICE OF THE U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, JUL 30 1926, 19

The foregoing field notes of the survey of Section 10, and the five included mineral locations,

TOWNSHIP 15 SOUTH, RANGE 17 EAST,

of the Gila & Salt River Base & Meridian, in the State of Arizona

executed by Dupree R. Averill, U. S. Surveyor,

under his special instructions dated June 27, 1922, for Group 133, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above described surveys in has been correctly copied from the original notes on file in this office.