

Book E.

BOOK 3971

FIELD NOTES

of the

3971

resurvey of the East boundary and a portion of the South boundary, and
the resurvey and survey of a portion of the subdivisional lines, com-
pleting the survey of Township 13 South, Range 11 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

William E. Hiester, U. S. Surveyor,

3971

In the capacity of U. S. Surveyor, under Special Instructions dated December 1,
1931, issued by the District Cadastral Engineer to govern surveys included in Group
No. 172, which were approved by the Commissioner of the General Land
Office December 29, 1931, and Assignment Instructions dated December 4, 1931.

Survey commenced January 29, 1932.

Survey completed February 9, 1932.

BOOK 3971

INDEX DIAGRAM.

Township 13 South, Range 11 East

6	5	4	3	2	1 9
7	8	9	10	11	12 8
18	17	16	15 20	14 21	13 6 22
19	20	21 18	22 34 33	23 27 32	24 5 26
30	29	28 17	27 31 30	26 25 29	25 4 24
31	32	33 16	34 28 13	35 23 12	36 2 11

Resurvey of the East Boundary of T.13 S.,R.11 E.

Chains

The survey and resurvey was executed with a light mountain transit made by Buff and Buff, Serial No. 19423, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of $4\frac{1}{2}$ ins. with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $2\frac{1}{2}$ ins. and of the declination arc $3\frac{1}{2}$ ins. each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on Nov. 15, 1931. I examine all the instrumental adjustments before making the field tests hereinafter recorded.

The direction of all lines were determined by the solar transit method. The measurements were made with a Lallie steel tape 5 chs. in length, graduated every link for the first 100 lks. and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by clinometer in good adjustment; the horizontal equivalents are entered in the field record.

The data furnished with the special instructions gives the geographic position for the SE. cor. of T.13 S., R.11 E., as follows: latitude $32^{\circ}15'00''N.$, and longitude $111^{\circ}09'48''W.$

Jan. 29, 1932, in camp near the cor. of secs. 26, 27, 34 and 35, at 11h 01m p.m., l.m.t., or 11h 25m 47s by my watch, which reads correct 105th meridian time as determined by radio. I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg driven firmly in the ground 10 chs. N.

Jan 30: I lay off the azimuth of Polaris $1^{\circ}14'47''$ and make a meridian mark on a second peg to the east of the mean point in the line determined by the observation.

Jan 30: at the cor. of secs. 1, 2, 35 and 36 on S. bdy. of the Tp., in order to verify the latitude and the reading of my watch, I make a meridian observation of the sun, first setting on the lower limb, then, after reversal of the instrument, setting on the upper limb and noting the transit of the east limb as follows:

Mean observed altitude-----	39°56'19"
Reduced latitude-----	32°15'08"
Mean watch time of observation-----	12h39m00s
Watch fast of l.m.t-----	25m44s

Every 30 min. from 7 to 10.30 a.m., and from 1.30 to 4 p.m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with a meridian established by Polaris observation has a maximum error of less than $1'30''$.

I repeat the tests of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.

Chains	<p>The east and south boundaries and a portion of the subdivisional lines of T.13 S.,R.11 E.,were executed by Philip Contzen,U.S.Deputy Surveyor in 1903.</p> <p>The following notes describe an independent resurvey of the south three miles, a dependent resurvey of the north three miles of the east boundary.;a dependent resurvey of the east three miles of the south boundary, and a survey and resurvey of a portion of the subdivisions,completing the subdivisional survey of T.13 S.,R.11 E.</p>
	<p>Beginning at the cor.of Tps.13 and 14 S.,R.11 E.</p> <p>North,on a random line,along the E.bdy.of T.13 S.,R.11 E.,setting temp.cors.at 40 and 80 chs.</p>
239.42	The cor.of secs.13,18,19 and 24.
278.79	The witness $\frac{1}{4}$ sec.cor.of secs.13 and 18.
319.61	From this point the cor.of secs.7,12,13 and 18,bears W.2 lks.dist.
359.79	From this point the $\frac{1}{4}$ sec.cor.of secs.7 and 12,bears W.3 lks.dist.
399.75	From this point the witness cor.to secs.1,6,7 and 12,bears W.7 lks.dist.
439.98	The $\frac{1}{4}$ sec.cor.of secs.1 and 6.
479.91	From this point the cor.of Tps.13 S.,Rs.11 and 12 E., bears W.2 lks.dist.
	<p>I return to the cor.of Tps.13 and 14 S.,R.11 E.,which is an iron post,3 ins.diam.,standing firmly 6 ins.above the top of a mound of stone,3 ft.base,1$\frac{1}{2}$ ft.high,mkd. and witnessed as described in the official record.</p> <p>Thence</p> <p>North,on a true line,along the E.bdy.of sec.36.</p> <p>Over mountainous land,through scattering undergrowth.</p> <p>Descend 24 ft.over NW.slope.</p>
.30	Road,bears NE.and SW.
1.50	Road,bears NE.and SW.
5.30	Wash,50 lks.wide,course SW.;asc.307 ft.over SE.slope.
14.02	The cor.of Tps.13 and 14 S.,R.12 E.,which is an iron post,3 ins.diam.,standing firmly 4 ins.above the top of a mound of stone,2 ft.base,1 ft.high,marked and witnessed as described in the official record.
30.10	Top of spur,slopes SW.;desc.138 ft.over NW.slope.
39.85	The original $\frac{1}{4}$ sec.cor.of secs.31 and 36,which is a basalt stone,16x10x5 ins.above ground,marked and witnessed as described in the official record.
	I destroy all evidence of this cor.
40.00	Set an iron post,3 ft.long,1 in.diam.,16 ins.in the

Chains.	<p>ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S36 1932</p> <p style="text-align: right;">from which</p> <p>A palo verde, 7 ins. diam., bears S. 36° W., 130 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.</p> <p>A palo verde, 4 ins. diam., bears N. $29\frac{1}{4}^{\circ}$ W., 23 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.</p> <p>A stone powder house, bears N. 19° E., about 14.00 chs. dist.</p> <p>Tower of shaft, bears N. $11\frac{3}{4}^{\circ}$ E.</p> <p>Descend 62 ft. over NW. slope.</p> <p>44.50 Wash 30 lks. wide, course SW.; asc. 574 ft. over S. slope.</p> <p>46.82 Road, bears NE. and SW.</p> <p>49.78 Road, bears N. 20° E., and S. 20° W.</p> <p>51.90 Road, bears N. 70° E., and S. 70° W.</p> <p>54.02 SW. cor. of ore bin, bears S. $78^{\circ}40'$ E., 158 lks. dist.</p> <p>Shaft, bears N. 85° E., 298 lks. dist.</p> <p>65.00 Continue ascending along E. slope.</p> <p>68.80 Top of spur, slopes SW.; continue ascending over SW. slope.</p> <p>71.00 Head of draw, course SW.</p> <p>79.47 From this point the cor. of secs. 25, 30, 31 and 36, bears E. 2 lks. dist., which is a granite stone in place 6 x 4 ft. above ground, marked and witnesses as described in the official record.</p> <p>I destroy all evidence of this cor.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 25 and 36, with brass cap mkd.</p> <p style="text-align: center;">T13S T13S R11E S31 S25 R12E S36 1932</p> <p style="text-align: right;">from which</p> <p>A palo verde, 5 ins. diam., bears N. 36° W., 15 lks. dist., mkd. T 13 S R 11 E S 25 B T.</p> <p>Raise a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high W. of cor.</p> <p>Land, mountainous. Soil, sandy 2d rate; and volcanic stones 4th rate. No timber; undergrowth scattering catclaw, mesquite, palo verde, cactus and yucca.</p>
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Chains.	North, on a true line, along the E. bdy. of sec. 25. Over mountainous land, through scattering timber and undergrowth. Ascend 335 ft. over rocky SW. slope.
12.90	Top of E. slope of high ridge, bears NE. and SW. From this point an adobe house, bears N. 42° W.; desc. 452 ft. over NW. slope.
31.00	Draw, course W.; asc. 10 ft. over SW. slope.
32.50	Spur, slopes W.; desc. 141 ft. over NW. slope.
34.43	Same adobe house, bears N. 59½° W.
38.98	The original ¼ sec. cor. of secs. 25 and 30, which is a granite stone 14x10x8 ins. above ground, marked and witnessed as described in the official record. I destroy all evidence of this cor.
40.00	The true point for ¼ sec. cor. falls in prospect hole, 6x6 ft. and 6 ft. deep.
40.25	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap mkd. witness ¼ S 25 WC 1932 from which A palo verde, 8 ins. diam., bears S. 75½° W., 14 lks. dist., mkd. W C ¼ S 25 B T. A palo verde, 4 ins. diam., bears N. 5° W., 62 lks. dist., mkd. W C ¼ S 25 B T. Descend 20 ft. over NW. slope.
40.50	Wire fence, bears NE. and SW.
41.70	Head of draw, course W.; asc. 60 ft. over S. slope.
45.00	Spur, slopes NW.; desc. 112 ft. over NE. slope.
53.90	Sand wash, 250 lks. wide, course NW.; asc. 50 ft. over SW. slope.
55.80	Wire fence, bears SE. and NW.
64.40	Spur, slopes W.; desc. 227 ft. over N. slope.
74.00	Ravine, course NW.
79.21	From this point the original cor. of secs. 19, 24, 25 and 30 bears E. 2 lks. dist., which is a granite stone, 20x14x10 ins. above ground, marked and witnessed as described in the official record. I destroy all evidence of this cor.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 24 and 25, with brass cap mkd.

Chains

T13S
R11E T13S
S 24 | S 30
S 25 | R12E
1932

from which

A palo verde, 6 ins. diam., bears S. 20 1/4° W., 47 lks. dist.,
mkd. T 13 S R 11 E S 25 B T.

A palo verde, 6 ins. diam., bears N. 49° W., 20 lks. dist.,
mkd. T 13 S R 11 E S 24 B T.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering palo verde and ironwood; undergrowth
mesquite, catclaw, greasewood, cactus and yucca.

North, on a true line, along the E. bdy. of sec. 24.

Over rolling land, through scattering timber and under-
growth.

Descend 142 ft. over gradual NW. slope.

9.72 Wash, 20 lks. wide, course NW.

35.42 Wash, 30 lks. wide, course W.

39.29 From this point the original 1/4 sec. cor. of secs. 19 and
24, bears W. 2 lks. dist., which is a granite stone, 10x8x6
ins. above ground, marked and witnessed as described in
the official record.

I destroy all evidence of this cor.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for 1/4 sec. cor. with brass cap mkd.

1/4 S 24 |
1932

from which

A mesquite, 4 ins. diam., bears S. 31 1/4° W., 42 lks. dist.,
mkd. 1/4 S 24 B T.

A mesquite, 6 ins. diam., bears N. 55 1/4° W., 153 lks. dist.,
mkd. 1/4 S 24 B T.

40.42 Old road, bears NE. and SW.

45.32 Road, bears E. and W.; desc. 25 ft. over N. slope.

46.10 Wash, 30 lks. wide, course W.; asc. 228 ft. over rocky S. slope.

61.00 Ridge, bears NE. and NW.; desc. 279 ft. over N. slope.

79.42 The original cor. of secs. 13, 18, 19 and 24, which is a
granite stone, 10x10x12 ins. above ground, marked with
3 notches on one edge and 3 notches on opposite edge.
This cor. will now refer to secs. 13 and 24 only.

At true point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, with the original stone deposited at the base,

Chains

for cor. of secs. 13 and 24, with brass cap mkd.

T13S
 R11E T13S
 S 13 | S 19
 S 24 | R12E
 1932

from which

Original bearing trees.

An ironwood, 6 ins. diam., bears N. $2\frac{3}{4}^\circ$ E., 76 lks. dist.,
 mks. illegible. I destroy the marks on this tree.

An ironwood, 6 ins. diam., bears S. 79° E., 39 lks. dist.,
 mkd. T 13 S R 12 E S 19 B T. I destroy the marks on
 this tree, and additionally mark B T.

A palo verde stump 6 ins. diam., bears N. $17\frac{1}{2}^\circ$ W., 24 lks.
 dist. mkd. legible B T.

No trace of the original SW. bearing tree.

New bearing tree.

An ironwood, 10 ins. diam., bears S. 13° W., 190 lks. dist.,
 mkd. T 13 S R 11 E S 24 B T.

Land, rolling.

Soil, sandy 3d rate; and rocky 4th rate.

Timber, scattering ironwood, palo verde and mesquite.

Undergrowth, catclaw, cactus and yucca.

North, on a true line along the E. bdy. of sec. 13.

Over mountainous land, through, scattering timber and undergrowth.

Ascend 109 ft. over S. slope.

9.00 Top of ridge, bears E. and NW.; desc. 59 ft. over N. slope.

13.66 Head of draw, course E.; asc. 30 ft. over S. slope.

17.30 Spur, slopes E.; desc. $24\frac{1}{3}$ ft. over N. slope.

27.00 Base of descent, bears E. and W.; continue over rolling land,

39.37 The original witness $\frac{1}{4}$ sec. cor. of secs. 13 and 18, which is a granite stone, 6x6x5 ins. above ground, marked $\frac{1}{4}$ on W. face. This cor. will now refer to sec. 13 only.

At true point for wit. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
 ground, with the original stone deposited at the base,
 for witness $\frac{1}{4}$ sec. cor. with brass cap mkd.

WC
 $\frac{1}{4}$ S13

1932

from which

Original bearing trees.

Chains.

A palo verde, 8 ins. diam., bears S. 88 1/2° E., 8 lks. dist., mks. legible 1/4 I destroy the marks on this tree.

A palo verde, 6 ins. diam., bears S. 87 1/4° W., 28 lks. dist., tree badly decayed.

New bearing trees.

A palo verde, 10 ins. diam., bears N. 88 3/4° W., 137 lks. dist., mkd. W C 1/4 S 13 B T.

A palo verde, 10 ins. diam., bears N. 66° W., 118 lks. dist., mkd. W C 1/4 S 13 B T.

Thence

N. 0° 02' W., on a true line, along the E. bdy. of sec. 13

Over rolling land, through heavy timber and scattering undergrowth.

.41 The true point for 1/4 sec. cor falls in sand wash, 30 lks. wide, course NE.

11.10 Same wash, course NW.

19.90 Wash, 20 lks. wide, course NW.

30.50 Wash, 50 lks. wide, course NW.

40.82 The cor. of secs. 7, 12, 13 and 18, which is a granite stone, 8x12x8 ins. above ground, marked with 4 notches on one edge and 2 notches on opposite edge. This cor. will now refer to secs. 12 and 13 only.

At true point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, with the original stone deposited at the base, for cor. of secs. 12 and 13, with brass cap mkd.

T13S
R11E T13S
S 12 | S 18
S 13 | R12E
1932

from which

Original bearing trees.

A palo verde, 10 ins. diam., bears N. 61 1/4° E., 87 lks. dist., mkd. T 13 S R 12 E S 7 B T.

A palo verde, 10 ins. diam., bears S. 37 1/4° E., 176 lks. dist., mkd. T 13 S R 12 E S 18 B T.

A palo verde, 8 ins. diam., bears S. 56 1/2° W., 62 lks. dist., mkd. T 13 S R 11 E S 13 B T. Tree badly decayed.

A palo verde, 4 ins. diam., bears N. 32 3/4° W., 150 lks. dist., tree badly decayed mks. illegible.

I destroy the marks on the original bearing trees.

New bearing trees.

An ironwood, 6 ins. diam., bears S. 27 1/4° W., 127 lks. dist., mkd. T 13 S R 11 E S 13 B T.

An ironwood, 5 ins. diam., bears N. 38 1/2° W., 146 lks. dist.,

Resurvey of the East Boundary of T.13 S., R.11 E.

Chains	<p>mkd. T 13 S R 11 E S 12 B T.</p> <p>Land, rolling. Soil, sandy and loam 3rd rate. Timber, ironwood, mesquite and palo verde; undergrowth, cat-claw, greasewood, saguaro and chamisal.</p> <hr/> <p>N. 0° 01' W., on a true line along the E. bdy. of sec. 12. Over rolling land, through heavy timber and scattering undergrowth. Descend 42 ft.</p> <p>3.80 Wash, 60 lks. wide, course NW.</p> <p>18.95 Ravine, course NW.</p> <p>33.00 Wash, 20 lks. wide, course NW.</p> <p>40.18 The original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which is a granite stone 6x6x6 ins. above ground, marked $\frac{1}{4}$ on W. face. This cor. will now refer to sec. 12 only.</p> <p>At true point for cor., with orig. cor. stone alongside, Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S 12 1932</p> <p style="text-align: right;">from which</p> <p>A palo verde, 7 ins. diam., bears S. 28$\frac{1}{2}$° E., 83 lks. dist., tree badly decayed mkd. illegible.</p> <p>A palo verde, 10 ins. diam., bears S. 72° W., 89 lks. dist., mks. legible $\frac{1}{4}$ S. I destroy the marks on the original bearing trees.</p> <p>New bearing trees.</p> <p>A palo verde, 12 ins. diam., bears S. 86$\frac{3}{4}$° W., 147 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.</p> <p>A palo verde, 8 ins. diam., bears N. 57$\frac{3}{4}$° W., 130 lks. dist., mkd. $\frac{1}{4}$ S 12 B T.</p> <p>Thence</p> <p>N. 0° 03' W., on a true line, along the E. bdy. of sec. 12 Over rolling land, through heavy timber and scattering undergrowth.</p> <p>8.20 Wash, 30 lks. wide, course NW.</p> <p>18.30 Wash, 20 lks. wide, course NW.</p> <p>21.10 Wash, 20 lks. wide, course NW.</p> <p>30.20 Old road, bears E. and SW.</p> <p>36.60 Road, bears E. and W.</p>
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Chains.
39.96

The original witness cor.of secs.1,6,7 and 12,which is a basalt stone,6x8x6 ins.above ground,marked with 5 notches on one edge and 1 notch on the opposite edge, and WC on NE.edge.This cor.will now refer to secs.1 and 12 only.

At true point for wit.cor.,with orig.stone alongside,

Set an iron post,3 ft.long,2 ins.diam.,26 ins.in the ground.for witness cor.of secs.1 and 12,with brass cap mkd.

WC
T13S T13S
R11E S 7
S 1 | R12E
S 12 |
1932

from which

A palo verde,8 ins.diam.,bears N.66 $\frac{1}{4}$ °E.,182 lks.dist. mks.illegible.

A palo verde,8 ins.diam.,bears S.46 $\frac{1}{2}$ °E.,145 lks.dist. mks.illegible.

A palo verde,8 ins.diam.,bears S.47 $\frac{1}{2}$ °W.,65 lks.dist., old blaze badly decayed.

An iron-wood,14 ins.diam.,bears N.45°W.,65 lks.dist., mks.illegible.I additionally mark this tree W C T 13 S R 11 E S 1 B T.

I destroy the marks on NE.SE.and SW.bearing trees.

New bearing tree.

A palo verde,10 ins.diam.,bears S.73 $\frac{1}{2}$ °W.,87 lks.dist. mkd.W C T 13 S R 11 E S 12 B T.

Land rolling.

Soil,sandy and loam 3rd rate.

Timber,palo verde,ironwood and mesquite.

Undergrowth,catclaw,greasewood cactus and yucca.

N.0°06'E.,on a true line,along the E.bdy.of secs.1 and 12,

Over.rolling land,through heavy timber and scattering undergrowth.

.20 The true point for cor.of secs.1 and 12, falls in sand wash,40 lks.wide,course N.70°W. Thence on the E.bdy.of sec.1.

5.00 Shallow wash,course NW.

13.90 Wash, course NW.

33.40 Enter sand wash,course NW.

36.20 Leave same course NW.

40.23 The original $\frac{1}{4}$ sec.cor.of secs.1 and 12,which is a porphyry stone,4x8x8 ins.above ground,marked $\frac{1}{4}$ on W. face.This cor.will now refer to sec.1 only.

At true point for cor.

Set an iron post,3 ft.long,1 in.diam.,28 ins.in the

Chains	<p>ground. with the original stone deposited at the base, for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S 1 1932</p> <p style="text-align: right;">from which</p> <p>Original bearing trees.</p> <p>A palo verde, 6 ins. diam., bears S. $86\frac{1}{4}^{\circ}$ E., 27 lks. dist., mks. illegible. I destroy the marks on this tree.</p> <p>A palo verde, 5 ins. diam., bears N. $63\frac{1}{4}^{\circ}$ W., 55 lks. dist., mkd $\frac{1}{4}$ S 1 B T.</p> <p>New bearing tree.</p> <p>An ironwood, 5 ins. diam., bears N. $26\frac{1}{2}^{\circ}$ W., 64 lks. dist., mkd. $\frac{1}{4}$ S 1 B T.</p> <p>Thence</p> <p>N. $0^{\circ}02'$ W., on a true line, along the E. bdy. of sec. 1</p> <p>Over rolling land, through scattering timber and dense undergrowth.</p> <p>5.43 Road, bears NW. and SE.</p> <p>12.40 Wash, 50 lks. wide, course W.</p> <p>38.60 Wash, 80 lks. wide, course W.</p> <p>39.93 The original cor. of Tps. 13 S., Rs. 11 and 12 E., which is an iron post, 3 ins. diam., standing firmly 12 ins. above the ground, marked and witnessed as described in the official record.</p> <p>Land, rolling. Soil, sandy and stony; 3 rd rate. Timber, palo verde, mesquite, saguaro, and ironwood. Undergrowth, catclaw, greasewood, mesquite, cactus and yucca</p>
	<p>Resurvey of a Portion of the S. Bdy. of T.13 S., R.11 E.</p> <p style="text-align: center;">-----</p> <p>Beginning at the cor. of Tps. 13 and 14 S., R.11 E., hereinbefore described.</p> <p>West, on a random line, bet. secs. 1 and 36.</p> <p>40.07 From this point the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, bears S. 2 lks. dist.</p> <p>Thence from cor.,</p> <p>West, on a random line, bet. secs. 1 and 36.</p> <p>40.06 The cor. of secs. 1, 2, 35 and 36.</p> <p style="text-align: center;">-----</p> <p>Thence from cor.,</p> <p>West, on a random line, bet. secs. 2 and 35.</p> <p>40.06 From this point the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, bears S. 1 lk. dist.</p>

Chains	Thence from cor., West, on a random line, bet. secs. 2 and 35.
40.10	From this point the cor. of secs. 2, 3, 34 and 35, bears S. 2 lks. dist.
	Thence from cor., West, on a random line, bet. secs. 3 and 34.
39.93	The $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Thence from cor., West, on a random line, bet. secs. 3 and 34.
40.05	From this point the cor. of secs. 3, 4, 33 and 34, bears S. 1 lk. dist. I return to the cor. of Tps. 13 and 14 S., R. 11 E. Thence S. 89° 58' W., on a true line, bet. secs. 1 and 36. Over rolling land, through scattering timber and undergrowth. Descend 31 ft. over NW. slope.
.20	Road, bears NE. and SW.
.70	Road, bears SE. and NW.
2.75	Wash, 20 lks. wide course S. 20° W.; asc. 20 ft. over E. slope.
5.00	Low spur, slopes S.; desc. 101 ft. over SW. slope.
7.50	Draw, course SW.
8.10	Same road, bears SE. and NW.
27.65	Same draw, course NW.; asc. 6 ft. over NE. slope.
28.50	Top of ascent; desc. 46 ft.
40.07	The original $\frac{1}{4}$ sec. cor. of secs. 1 and 36, which is a limestone, 8x10x8 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face. This cor. being in good state of preservation was not renewed. from which New bearing trees. A palo verde, 4 ins. diam., bears N. 27° E., 18 lks. dist., mkd. $\frac{1}{4}$ S 36 B T. A palo verde, 4 ins. diam., bears S. 47 $\frac{1}{2}$ ° W., 66 lks. dist., mkd. $\frac{1}{4}$ S 1 B T. Raise a mound of stone, 3 ft. base, 2 ft. high N. of cor. Thence West, on a true line, bet. secs. 1 and 36. Over rolling land, through scattering timber and undergrowth.

Chains	Descend 27 ft. over W. slope.
1.75	Wash, 20 lks. wide, course SW.; asc. 68 ft. over SE. slope.
11.30	Ravine, course S.
21.00	Top of ascent on S. slope of red knoll.; desc. 161 ft. over SW. slope.
40.06	The cor. of secs. 1, 2, 35 and 36, which is a limestone, 8x10 x8 ins. above ground, firmly set, marked 1 notch on E. and 5 notches on W. faces. This cor. being in good state of preservation was not renewed.
	from which
	Original bearing trees.
	A palo verde, 6 ins. diam., bears N. $67\frac{1}{2}^{\circ}$ E., 119 lks. dist., mks. illegible. I additionally mark this tree T 13 S R 11 E S 36 B T.
	A palo verde, 6 ins. diam., bears S. $51\frac{1}{4}^{\circ}$ E., 53 lks. dist. poorly marked. I remark this tree T 14 S R 11 E S 1 B T.
	A palo verde, 10 ins. diam., bears S. 59° W., 21 lks. dist., poorly marked. I remark this tree T 14 S R 11 E S 2 B T.
	No trace of the original NW. bearing tree.
	New bearing tree.
	A palo verde, 8 ins. diam., bears N. $15\frac{1}{2}^{\circ}$ W., 101 lks. dist. mkd. T 13 S R 11 E S 35 B T.
	Land, rolling. Soil, sandy 2d rate; and rocky 4th rate. Timber, scattering ironwood, mesquite, palo verde and saguaro; undergrowth catclaw, cactus, greasewood and yucca.
	S. $89^{\circ}59'$ W., on a true line, bet. secs. 2 and 35.
	Over rolling land, through heavy saguaro and undergrowth.
17.75	Wash, 40 lks. wide, course NW.; asc. 17 ft.
28.20	Wash, 10 lks. wide, course SW.
40.06	The original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, which is a granite stone, 6x8x6 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face, with mound of stone N. This cor. being in good state of preservation was not renewed.
	from which
	Original bearing trees.
	A palo verde, 4 ins. diam., bears S. 16° E., 53 lks. dist., mks. illegible. I remark this tree $\frac{1}{4}$ S 2 B T.
	A palo verde, 5 ins. diam., bears N. $17\frac{1}{2}^{\circ}$ W., 50 lks. dist., mks. illegible. I remark this tree $\frac{1}{4}$ S 35 B T.
	Thence
	S. $89^{\circ}58'$ W., on a true line, bet. secs. 2 and 35.

Chains. Over rolling land, through scattering timber and undergrowth.
 Descend 65 ft.
 16.40 Descend abruptly over W.slope.
 18.70 Wash, 50 lks.wide, course SW.; asc. 7 ft.
 26.68 Old road, bears NE. and SW.
 40.10 The original cor. of secs. 2, 3, 34 and 35, which is a granite stone, 6x6x5 ins. above ground, firmly set, mkd. with 2 notches on E. edge and 4 notches on W. edge, with mound of stone W. This cor. being in good state of preservation was not renewed.

from which

Original bearing trees.

A palo verde, 4 ins. diam., bears S. 52° E., 110 lks. dist., poorly marked. I remark this tree T 14 S R 11 E S 2 B T.

A palo verde, 15 ins. diam., bears S. 24° W., 90 lks. dist., poorly marked. I remark this tree, T 14 S R 11 E S 3 B T.

A palo verde, 6 ins. diam., bears N. 68 1/4° W., 165 lks. dist., marks illegible. I remark this tree T 13 S R 11 E S 34 B T.

No trace of the original NE. bearing tree.

New bearing tree.

A palo verde, 15 ins. diam., bears N. 29 1/2° E., 193 lks. dist., mkd. T 13 S R 11 E S 35 B T.

Land, rolling.
 Soil, sandy 2d rate and rocky 4th rate.
 Timber, ironwood, mesquite, palo verde and saguaro.
 Undergrowth, catclaw, greasewood, cactus and mesquite.

West, on a true line, bet. secs. 3 and 34.

Over rolling land, through heavy timber and scattering undergrowth.
 Descend 50 ft.
 9.00 Wash, 20 lks. wide, course SW.
 17.40 Same wash course NE.
 20.00 Wash, 40 lks. wide, course SW.
 39.93 The original 1/4 sec. cor. of secs. 3 and 34, which is a granite stone, 6x6x5 ins. above ground, firmly set, mkd. 1/4 on N. face. This cor. being in good state of preservation was not renewed.

from which

Original bearing trees.

A palo verde, 5 ins. diam., bears S. 3 1/2° W., 46 lks. dist.,

Chains. tree badly decayed, mks. illegible.

A palo verde, 5 ins. diam., bears N. $31\frac{1}{2}^{\circ}$ W., 130 lks. dist., tree badly decayed, mks. illegible.

New bearing trees.

An ironwood, 10 ins. diam., bears S. $64\frac{3}{4}^{\circ}$ E., 129 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.

An ironwood, 10 ins. diam., bears N. $57\frac{3}{4}^{\circ}$ W., 139 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.

Thence

S. $89^{\circ}59'$ W., on a true line, bet. secs. 3 and 34.

Over rolling land, through dense timber and undergrowth.

Descend 53 ft. over gradual W. slope.

5.20 Drain, course SW.

22.20 Wash, 30 lks. wide, course SW.

32.90 Road, bears NE. and SW.

40.05 The original cor. of secs. 3, 4, 33 and 34, which is a granite stone, 10x10x10 ins. unmarked, set in a mound of stone, 2 ft. base 1 ft. high.

At true point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap mkd.

T13S R11E
S 33 | S 34
S 4 | S 3
T14S
1932

from which

Original bearing trees.

A palo verde, 6 ins. diam., bears S. 37° E., 199 lks. dist., tree badly decayed. mks. illegible.

An ironwood, 5 ins. diam., bears N. $26\frac{1}{4}^{\circ}$ W., 134 lks. dist., mks. illegible. I remark this tree. T 13 S R 11 E S 33 B T.

No trace of the original NE and SW. bearing trees.

New bearing trees.

An ironwood, 8 ins. diam., bears N. 22° E., 265 lks. dist., mkd. T 13 S R 11 E S 34 B T.

An ironwood, 6 ins. diam., bears S. 86° E., 156 lks. dist., mkd. T 14 S R 11 E S 3 B T.

An ironwood, 4 ins. diam., bears S. 6° W., 114 lks. dist., mkd. T 14 S R 11 E S 4 B T.

Land, rolling.
Soil, sandy and gravelly; 3rd rate.
Timber, palo verde, mesquite, ironwood and saguaro.
Undergrowth, catclaw, mesquite, greasewood, cactus and desert growth.

Chains	Beginning at the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp. N.0°2'W., on a random line, bet. secs. 33 and 34.
40.01	From this point the orig. $\frac{1}{4}$ sec. cor. bears E. 3 lks. dist. Thence from cor., N.0°02'W., on a random line, bet. secs. 33 and 34.
40.00	From this point the orig. cor. of secs. 27, 28, 33 and 34, bears E. 10 lks. dist. ----- Thence from cor., N.0°02'W., on a random line, bet. secs. 27 and 28.
40.00	From this point the orig. $\frac{1}{4}$ sec. cor. bears E. 5 lks. dist. Thence from cor., N.0°02'W., on a random line, bet. secs. 27 and 28.
40.04	From this point the orig. cor. of secs. 21, 22, 27 and 28, bears E. 5 lks. dist. ----- Thence from cor., N.0°02'W., on a random line, bet. secs. 21 and 22.
40.00	From this point the orig. $\frac{1}{4}$ sec. cor. bears E. 2 lks. dist. Thence from cor., N.0°02'W., on a random line, bet. secs. 21 and 22.
40.05	From this point the orig. cor. of secs. 15, 16, 21 and 22, bears E. 3 lks. dist. ----- Thence from cor., East, on a random line, bet. secs. 15 and 22.
40.03	The original $\frac{1}{4}$ sec. cor.
80.07	From this point the orig. cor. of secs. 14, 15, 22 and 23, bears S. 19 lks. dist. ----- Thence from cor., East, on a random line, bet. secs. 14 and 23.
40.01	From this point the orig. $\frac{1}{4}$ sec. cor. bears S. 13 lks. dist. Thence from cor., East, on a random line, bet. secs. 14 and 23.
40.00	The original cor. of secs. 13, 14, 23 and 24. ----- Thence from cor., East, on a random line, bet. secs. 13 and 24.
40.03	From this point the orig. $\frac{1}{4}$ sec. cor. bears S. 23 lks. dist. Thence from cor., East, on a random line, bet. secs. 13 and 24.

16 Resurvey of a Portion of the Subdivisions of T.13 S., R.11 E.

Chains 40.02	<p>From this point the cor. of secs. 13 and 24, on E. bdy. of Tp. bears S. 9 lks. dist.</p> <p>I return to the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp. hereinbefore described.</p> <p>Thence</p> <p>N. 0° 01' E., on a true line, bet. secs. 33 and 34.</p> <p>Over rolling land, through heavy timber and dense undergrowth.</p>
3.50	Wash, 10 lks. wide, course S. 70° W.
13.30	Wash, 30 lks. wide, course W.
26.40	Wash, 15 lks. wide, course SW.
27.90	Road, bears NE. and SW.
37.00	Wash, 30 lks. wide, course W.
40.01	<p>The orig. $\frac{1}{4}$ sec. cor. which is an ironwood post, 3×4 ins. sq. standing firmly 12 ins. above ground, marked $\frac{1}{4}$ on W. face.</p> <p>At point for cor., with old post alongside,</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$ S33 S34 1932 </div> <p style="text-align: right;">from which</p> <p>Original bearing trees.</p> <p>An ironwood, 10 ins. diam., bears N. 69$\frac{1}{2}$° E., 21 lks. dist., mks. illegible. I remark this tree, $\frac{1}{4}$ S 34 B T.</p> <p>A palo verde, 10 ins. diam., bears N. 77° W., 63 lks. dist., mks. illegible. I remark this tree $\frac{1}{4}$ S 33 B T.</p> <p>Thence</p> <p>N. 0° 07' E., on a true line, bet. secs. 33 and 34.</p> <p>Over rolling land, through heavy timber and scattering saguaro.</p> <p>Ascend 24 ft.</p>
.22	Wash, 10 lks. wide, course W.
4.00	Wash, 20 lks. wide, course W.
10.20	Old road, bears N. 70° E., and S. 70° W.
15.05	Wash, 10 lks. wide, course S. 60° W.
22.00	Wash, 20 lks. wide, course W.
30.50	Wash, 20 lks. wide, course W.
33.30	Road, bears NE. and SW.

Chains.
40.00

The original cor. of secs. 27, 28, 33 and 34, which is an ironwood post, 6 ins. diam., standing firmly 12 ins. above ground, marked 1 notch on S. face and 3 notches on E. face.

At true point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground with the original post deposited alongside, for cor. of secs. 27, 28, 33 and 34, with brass cap mkd.

T13S R11E
S 28 | S 27
S 33 | S 34
1932

from which

Original bearing trees.

A palo verde, 6 ins. diam., bears S. $74\frac{1}{2}^\circ$ E., 85 lks. dist., mks. visible B T. I remark this tree T 13 S R 11 E S 34 B T.

A palo verde, 6 ins. diam., bears S. $42\frac{3}{4}^\circ$ W., 82 lks. dist., mks. visible B T. I remark this tree T 13 S R 11 E S 33 B T.

No trace of the original NE. and NW. bearing trees.

New bearing trees.

A palo verde, 6 ins. diam., bears N. $35\frac{3}{4}^\circ$ E., 76 lks. dist., mkd. T 13 S R 11 E S 27 B T.

A palo verde, 4 ins. diam., bears N. 38° W., 52 lks. dist., mkd. T 13 S R 11 E S 28 B T.

Land, rolling.
Soil sandy and stony; 3rd rate.
Timber, ironwood, palo verde, mesquite and saguaro.
Undergrowth, catclaw, cactus, greasewood and mesquite.

N. $0^\circ 03'$ E., on a true line, bet. secs. 27 and 28.

Over rolling land, through dense saguaro and undergrowth.

7.50 Wash, 20 lks. wide course SW.

13.70 Wash, 20 lks. wide, course SW.

37.10 Road, bears E. and W.

40.00 The original $\frac{1}{4}$ sec. cor. of secs. 27 and 28, which is a granite stone, 6x10x6 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on W. face. This cor. being in good state of preservation was not renewed.

from which

Original bearing tree.

An ironwood, 5 ins. diam., bears N. $72\frac{3}{4}^\circ$ E., 22 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.

No trace of the original NW. bearing tree.

New bearing tree.

Chains	An ironwood, 8 ins.diam., bears S.65 ³ / ₄ °W., 110 lks. dist., mkd. $\frac{1}{4}$ S 28 B T.				
	Descend 6 ft.				
42.90	Wash, 10 lks wide, course SW.				
50.65	Ravine, 8 ft. deep, course SW.				
60.60	Spur, slopes W.; desc. 35 ft. over N. slope.				
63.65	Road, bears NE. and SW. in wash, 50 lks. wide, course SW.				
68.80	Shallow wash, 100 lks. wide, course W.				
80.04	The original cor. of secs. 21, 22, 27 and 28, which is an ironwood post, 4 ins. square, standing firmly 12 ins. above ground, with 2 notches on S. face and 3 notches on E. face.				
	At true point for cor.				
	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, with the original post deposited alongside, for cor. of secs. 21, 22, 27 and 28, with brass cap mkd.				
	<table border="0"> <tr><td>T13S R11E</td></tr> <tr><td>S 21 S 22</td></tr> <tr><td>S 28 S 27</td></tr> <tr><td>1932</td></tr> </table>	T13S R11E	S 21 S 22	S 28 S 27	1932
T13S R11E					
S 21 S 22					
S 28 S 27					
1932					
	from which				
	Original bearing trees.				
	A palo verde, 10 ins. diam., bears N.26°E., 77 lks. dist., mks. visible B T. I remark this tree. T 13 S R 11 E S 22 B T.				
	A dead palo verde, 5 ins. diam., bears S.59°E., 60 lks. dist., old blaze badly decayed.				
	A palo verde, 5 ins. diam., bears N.31°W., 58 lks. dist., dimly marked. I remark this tree. T 13 S R 11 E S 21 B T.				
	No trace of the original SW. bearing tree.				
	New bearing trees.				
	An ironwood, 5 ins. diam., bears S.4 $\frac{1}{2}$ °E., 79 lks. dist., mkd. T 13 S R 11 E S 27 B T.				
	An ironwood, 12 ins. diam., bears S.69 ³ / ₄ °W., 99 lks. dist., mkd. T 13 S R 11 E S 28 B T.				
	Land, rolling. Soil, sandy 2d rate; and rocky 4th rate. Timber, ironwood, mesquite, palo verde and saguaro. Undergrowth, catclaw, greasewood and cactus.				
	North, on a true line, bet. secs. 21 and 22.				
	Over rolling land, through dense saguaro and undergrowth.				
10.00	Enter series of small sand washes, course W.				
15.00	Leave same.				

Chains
40.00 ✓

The original $\frac{1}{4}$ sec. cor. of secs. 21 and 22, which is an ironwood post, 4 ins. square, standing firmly 18 ins. above ground, marked $\frac{1}{4}$ S 22 on E. face and $\frac{1}{4}$ S 21 on W. face.

At true point for cor.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground with the original post deposited alongside, for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ \text{S21} \mid \text{S22} \\ 1932 \end{array}$$

from which

New bearing trees.

An ironwood, 8 ins. diam., bears S. $17\frac{1}{4}^{\circ}$ E., 86 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.

An ironwood, 8 ins. diam., bears N. $56\frac{3}{4}^{\circ}$ W., 98 lks. dist., mkd. $\frac{1}{4}$ S 21 B T.

No trace of the original bearing trees.

Thence

N. $0^{\circ}01'$ E., on a true line, bet. secs. 21 and 22.

Over rolling land, through heavy timber, saguaro and scattering undergrowth.

9.00 Wash, 30 lks. wide, course W.

15.00 Sand wash, 30 lks. wide, course SW.

21.80 Road, bears E. and W.

24.10 Wash, 50 lks. wide, course W.

26.60 Ravine, course W.

40.05 ✓ The original cor. of secs. 15, 16, 21 and 22, which is a granite stone, 10x12x4 ins. above ground, firmly set, marked with 3 notches on S. edge and 3 notches on E. edge. This cor. being in good state of preservation was not renewed.

from which

Original bearing trees.

A palo verde, 10 ins. diam., bears N. $67\frac{3}{4}^{\circ}$ E., 166 lks. dist., mks. illegible. I remark this tree, T 13 S R 11 E S 15 B T.

A palo verde, 5 ins. diam., bears S. $61\frac{1}{4}^{\circ}$ E., 36 lks. dist., mks. illegible. I remark this tree, T 13 S R 11 E S 22 B T.

A palo verde, 10 ins. diam., bears S. $40\frac{1}{2}^{\circ}$ W., 20 lks. dist., mks. illegible. I remark this tree, T 13 S R 11 E S 21 B T.

A palo verde, 10 ins. diam., bears N. 36° W., 57 lks. dist., mkd. T 13 S R 11 E S 16 B T.

Chains	<p>Land, rolling. Soil, sandy and gravelly; 3rd rate. Timber, ironwood, palo verde, saguaro and mesquite. Undergrowth, catclaw, cactus and desert growth.</p>
	<p>East, on a true line, bet. secs. 15 and 22. Over rolling land, through scattering timber and dense undergrowth.</p>
2.70	Ravine, course NW.
11.10	Ravine, course NW.
24.50	Ravine, course NW.
40.03	<p>The original $\frac{1}{4}$ sec. cor. of secs. 15 and 22, which is a granite stone, 6x6x6 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on N. face. This cor. being in good state of preservation was not renewed.</p> <p style="text-align: right;">from which</p> <p>Original bearing trees..</p> <p>A palo verde, 10 ins. diam., bears S. $10\frac{1}{2}^{\circ}$ W., 94 lks. dist., mks. illegible. I remark this tree $\frac{1}{4}$ S 22 B T.</p> <p>A palo verde, 6 ins. diam., bears N. $3\frac{1}{2}^{\circ}$ W., 59 lks. dist., mks. illegible. I remark this tree, $\frac{1}{4}$ S 15 B T.</p>
	<p>Thence S. $89^{\circ}44'$ E., on a true line, bet. secs. 15 and 22. Over rolling land, through scattering timber and dense undergrowth. Ascend 52 ft. over gradual W. slope.</p>
6.50	Low ridge, bears N. and S.; desc. 35 ft. over SE. slope.
10.80	Wash, 10 lks. wide, course SW.
15.70	Same wash, course NW.
35.80	Wash, 50 lks. wide, course NW.
40.04	<p>The original cor. of secs. 14, 15, 22 and 23, which is a granite stone, 5x6x4 ins. above ground, firmly set, mkd. with 3 notches on S edge and 2 notches on E edge. This cor. being in good state of preservation was not renewed.</p> <p style="text-align: right;">from which</p> <p>Original bearing trees.</p> <p>A palo verde, stump, 6 ins. diam., bears N. $43\frac{3}{4}^{\circ}$ E., 51 lks. dist., marks visible B T.</p> <p>A palo verde, 5 ins. diam., bears S. $64\frac{3}{4}^{\circ}$ E., 51 lks. dist., mkd. T 13 S R 11 E S 23 B T.</p> <p>A palo verde, 6 ins. diam., bears S. $24\frac{1}{2}^{\circ}$ W., 52 lks. dist., mks. illegible. I remark this tree, T 13 S R 11 E S 22 B T.</p>

Chains.	<p>A palo verde, 10 ins. diam., bears N. 50° W., 51 lks. dist., mks. illegible. I remark this tree, T 13 S R 11 E S 15 B T.</p> <p>New bearing tree.</p> <p>A palo verde, 6 ins. diam., bears N. 47° E., 97 lks. dist., mkd. T 13 S R 11 E S 14 B T.</p> <p>Land, rolling. Soil, sandy and gravelly; 3rd rate. Timber, palo verde, mesquite, ironwood and saguaro. Undergrowth, catclaw, greasewood, cactus and desert growth.</p>
	<p>S. 89° 49' E., on a true line, bet. secs. 14 and 23.</p> <p>Over rolling land, through scattering timber and dense undergrowth.</p> <p>Ascend 75 ft. over gradual W. slope.</p> <p>11.90 Wash, 30 lks. wide, course NW.</p> <p>32.00 Wash, 10 lks. wide, course NW.</p> <p>36.90 Wash, 10 lks. wide, course NW.</p> <p>40.01 The original $\frac{1}{4}$ sec. cor. of secs. 14 and 23, which is a granite stone, 5x6x8 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on N. face. This cor. being in good state of preservation was not renewed.</p> <p style="text-align: right;">from which</p> <p>Original bearing trees.</p> <p>A palo verde, 6 ins. diam., bears S. 12$\frac{1}{2}$° W., 27 lks. dist., tree badly decayed.</p> <p>Hole with remains of palo verde, bears N. 20$\frac{1}{2}$° W., 106 lks. dist.</p> <p>New bearing trees.</p> <p>A palo verde, 5 ins. diam., bears S. 15° W., 31 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.</p> <p>An ironwood, 5 ins. diam., bears N. 13$\frac{3}{4}$° W., 115 lks. dist., mkd. $\frac{1}{4}$ S 14 B T.</p> <p>Thence</p> <p>East, on a true line, bet. secs. 14 and 23.</p> <p>Over rolling land, through scattering timber and dense undergrowth.</p> <p>Ascend 34 ft. over gradual W. slope.</p> <p>13.00 Wash, 10 lks. wide, course N.</p> <p>17.10 Wash, 10 lks. wide, course NW.</p> <p>29.80 Ravine, 6 ft. deep, course N. 30° W.</p> <p>34.10 Wash, 50 lks. wide, course NW.</p> <p>40.00 The original cor. of secs. 13, 14, 23 and 24, which is a</p>

Chains

granite stone, 8x10x10 ins. above ground, firmly set, faintly marked with 3 notches on S. edge and 1 notch on E. edge.

At true point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground with the original cor. deposited at the base, for cor. of secs. 13, 14, 23 and 24, with brass cap mkd.

T13S R11E
S 14 | S 13
S 23 | S 24
1932

from which

Original bearing trees.

An ironwood, 8 ins. diam., bears N. $54\frac{1}{2}^{\circ}$ E., 93 lks. dist., mks. illegible. I remark this tree T 13 S R 11 E S 13 B T.

A palo verde, 6 ins. diam., bears S. $29\frac{3}{4}^{\circ}$ W., 55 lks. dist., mkd. T 13 S R 11 E S 23 B T.

An ironwood, 8 ins. diam., bears N. $32\frac{3}{4}^{\circ}$ W., 28 lks. dist., mks. illegible. I remark this tree T 13 S R 11 E S 14 B T.

No trace of the original SE. bearing tree.

New bearing tree.

An ironwood, 6 ins. diam., bears S. $3\frac{1}{2}^{\circ}$ E., 40 lks. dist., mkd. T 13 S R 11 E S 24 B T.

Land, rolling.

Soil, sandy and stony; 3rd rate.

Timber, ironwood, mesquite, palo verde and saguaro.

Undergrowth, catclaw, greasewood, cactus and desert growth.

S. $89^{\circ}40'$ E., on a true line, bet. secs. 13 and 24.

Over rolling land, through scattering timber and dense undergrowth.

.30 Wash, 30 lks. wide, course NW.

40.03 The original $\frac{1}{4}$ sec. cor. of secs. 13 and 24, which is a granite stone, 5x5x5 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on N. face, with mound of stone N. of cor. This cor., being in good state of preservation was not renewed.

from which

Original bearing trees.

An ironwood, 12 ins. diam., bears N. 29° E., 79 lks. dist., mks. illegible. I remark this tree $\frac{1}{4}$ S 13 B T.

An ironwood, 5 ins. diam., bears S. $77\frac{1}{4}^{\circ}$ W., 15 lks. dist., mks. illegible. I remark this tree $\frac{1}{4}$ S 24 B T.

Thence

S. $89^{\circ}52'$ E., on a true line, bet. secs. 13 and 24.

Chains. Over rolling land, through scattering timber and dense undergrowth.

Ascend 105 ft. over W. slope.

13.70 Continue ascending along NW. slope.

19.20 Draw .50 lks. wide, course NW.

29.70 Spur, slopes N.; desc. 14 ft. over NE. slope.

31.00 Draw, course N.

32.64 Head of wash, course NW.; asc. 34 ft. over W. slope.

36.40 Head of draw, course N. 70° W.

38.70 Low saddle on ridge, bears N. and S.; desc. 10 ft. over E. slope.

40.02 The cor. of secs. 13 and 24 on E. bdy. of Tp., hereinbefore described.

Land, rolling.
Soil, sandy and stony; 3rd rate.
Timber, scattering ironwood, palo verde, mesquite and saguaro; undergrowth, manzanita, catclaw, greasewood and Cactus.

Survey of a Portion of the Subdivisions of T.13 S. R.11 E.

I commence the subdivisional survey at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., hereinbefore described.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling land through scattering timber and dense undergrowth.

Ascend 126 ft. over SW. slope.

14.00 Top of ascent on W. slope of red sandstone butte.; desc. 87 ft. over NW. slope.

23.47 Ravine, 20 ft. deep, course W.; asc. 39 ft. over S. slope.

25.80 Spur, slopes W.; desc. 38 ft. over NW. slope.

28.14 Ravine, 20 ft. deep, course SW.; asc. 72 ft. over SE. slope.

38.00 Low spur slopes W.; desc. 22 ft. over N. slope.

40.00 Set an iron post, 3 ft. long 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor. with brass cap mkd.

1/4
S35 | S36
1932

from which

A palo verde, 4 ins. diam., bears N. 50 3/4° E., 33 lks. dist., mkd. 1/4 S 36 B T.

Chains.	A palo verde, 12 ins. diam., bears S. $20\frac{3}{4}^{\circ}$ W., 65 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.
	Descend 20 ft. over N. slope.
42.30	Old road, bears N. 70° E., and S. 70° W.
45.45	Ravine, course W.; asc. 26 ft. over S. slope.
54.50	Top of ascent; desc. 13 ft.
56.60	Ravine, 20 ft. deep, course SW.; asc. 235 ft. over SW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 25, 26, 35 and 36, with brass cap mkd.
	T13S R11E S 26 S 25 S 35 S 36 1932
	from which
	A palo verde, 4 ins. diam., bears N. $71\frac{1}{2}^{\circ}$ E., 90 lks. dist., mkd. T 13 S R 11 E S 25 B T.
	A palo verde, 6 ins. diam., bears S. $73\frac{1}{2}^{\circ}$ E., 64 lks. dist., mkd. T 13 S R 11 E S 36 B T.
	A palo verde, 3 ins. diam., bears S. $48\frac{1}{4}^{\circ}$ W., 74 lks. dist., mkd. B T.
	A palo verde, 6 ins. diam., bears N. 32° W., 48 lks. dist., mkd. T 13 S R 11 E S 26 B T.
	Land, rolling. Soil, sandy 2d rate and rocky 4th rate. Timber, scattering palo verde, ironwood, mesquite and saguaro; undergrowth, catclaw, cactus, greasewood and desert growth.
	East, on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect E. bdy. of Tp., at the cor. of secs. 25 and 36, hereinbefore described.
	Thence
	West, on a true line, bet. secs. 25 and 36.
	Over mountainous land, through scattering timber and undergrowth.
	Descend 64 ft. along broken S. slope.
2.10	Head of gulch, course S.; asc. 27 ft. over SE. slope.
10.50	Spur, slopes S.; desc. 262 ft. over rocky SW. slope.
20.43	Gulch, course S.; asc. 66 ft. over SE. slope.
21.00	Old mine dump, bears S. about 300 lks. dist.
23.60	Spur, slopes SW.; desc. 303 ft. over NW. slope.
36.00	Ravine, course S. 70° W.

Chains.
40.05

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 25}{S\ 36}$
1932

from which

A palo verde, 4 ins. diam., bears N. $48\frac{1}{2}^\circ$ E., 45 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.

A palo verde, 4 ins. diam., bears S. 23° W., 70 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.

An oak post, 4 ins. square, unmarked, standing firmly 12 ins. above the top of a mound of stone, 3 ft. base $1\frac{1}{2}$ ft. high, bears N. 89° W., 339 lks. dist.

Ascend 137 ft. over SE. slope.

58.50 Rocky spur, slopes S.; desc. 165 ft. over W. slope.

58.61 Stone monument 5 ft. base, 6 ft. high, bears N. $50^\circ 13'$ E.

62.35 Ravine, 20 ft. deep, course SW.; asc. 8 ft. over SE. slope.

65.00 Top of ascent; desc. 9 ft.

70.70 Descend 94 ft. over SW. slope.

80.10 The cor. of secs. 25, 26, 35 and 36. ✓

Land, mountainous.

Soil, sandy 3d rate; and rocky 4th rate.

Timber, scattering palo verde, mesquite, ironwood and saguaro; undergrowth, scattering catclaw, greasewood and cactus.

N. $0^\circ 01'$ W., bet. secs. 25 and 26. ✓

Over mountainous land, through scattering timber and undergrowth.

Ascend 159 ft. over SW. slope.

11.00 High rocky peak, bears E. about 12.00 chs. dist.; desc. 14 ft.

14.12 Ravine, 15 ft. deep, course SW.; asc. 444 ft. over SW. slope.

29.70 Top of ridge, bears E. and W.; desc. 220 ft. over N. slope.

29.71 Stone monument 5 ft. base, 6 ft. high, bears S. $80^\circ 01'$ E.

32.29 Ravine, course NW.; asc. 10 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S26 | S25
1932

from which

Chains	<p>A palo verde, 4 ins. diam., bears N. $32\frac{1}{2}^{\circ}$ E., 26 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.</p> <p>A palo verde, 4 ins. diam., bears N. $59\frac{1}{4}^{\circ}$ W., 43 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.</p> <p>Location monument of ^{unsurveyed} Copper Basin Mining Claim, bears E. 300 lks. dist. (cor. No. 1)</p> <p>Descend 56 ft. over NW. slope.</p>
40.86	Mouth of tunnel, bears E. 100 lks. dist.
44.90	Head of ravine, course W.; asc. 64 ft. over S. slope.
48.44	Location monument ^{unsurveyed} of Copper Basin Mining Claim No. 2 bears N. 86° E., 84 lks. dist.
	A shaft, 100 ft. deep, bears S. 22° E., 253 lks. dist.
49.70	Spur, slopes NW.; continue along E. slope.
61.10	Low spur, slopes E.; desc. 251 ft. over N. slope.
62.60	Low ridge, bears NE. and SW.; continue descending over NW. slope.
71.60	Head of draw, course W.; asc. 34 ft. over S. slope.
75.50	Spur, slopes W.; desc. 46 ft. over NW. slope.
78.54	Small gulch, course W.; asc. 31 ft. over S. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock and in a mound of stone to top, for cor. of secs. 23, 24, 25 and 26, with brass cap mkd.
	<p>T13S R11E S 23 S 24 S 26 S 25 1932</p>
	from which
	<p>A palo verde, 8 ins. diam., bears N. $53\frac{1}{4}^{\circ}$ E., 23 lks. dist., mkd. T 13 S R 11 E S 24 B T.</p> <p>A palo verde, 8 ins. diam., bears S. 82° E., 79 lks. dist., mkd. T 13 S R 11 E S 25 B T.</p> <p>A palo verde, 4 ins. diam., bears S. $77\frac{3}{4}^{\circ}$ W., 46 lks. dist. mkd. T 13 S R 11 E S 26 B T.</p> <p>A palo verde, 6 ins. diam., bears N. $27\frac{3}{4}^{\circ}$ W., 75 lks. dist., mkd. T 13 S R 11 E S 23 B T.</p>
	<p>Land, mountainous. Soil, sandy 2d rate and rocky 4th rate. Timber, scattering mesquite, palo verde, ironwood and saguaro; undergrowth, scattering catclaw, greasewood and cactus.</p>
	East, on a random line, bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect E. bdy. of the Tp., 3 lks. N. of the cor. of secs. 24 and 25, hereinbefore described.

Chains.	Thence
	N.89°59'W., on a true line, bet. secs. 24 and 25.
	Over rolling land, through scattering timber and dense undergrowth.
	Descend 127 ft. over gradual W. slope.
17.50	Wash, 20 lks. wide, course NW.
21.20	Road, bears NE. and SW.
23.80	Low spur, slopes NW.; continue descending over SW. slope.
28.80	Wash, 20 lks. wide, course NW.
35.74	Wash, 30 lks. wide, course N.
40.06	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ <u>S 24</u> S 25 1932
	from which
	A palo verde, 8 ins. diam., bears S. 64 $\frac{1}{4}$ °W., 106 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
	A palo verde, 4 ins. diam., bears N. 22 $\frac{1}{4}$ °W., 57 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.
45.00	Wash, 50 lks. wide, course N.; asc. 12 ft.
46.00	Low spur, slopes N.; desc. 10 ft.
47.60	Wash, 25 lks. wide, course N.; asc. 151 ft. over E. slope.
53.70	Top of rocky knoll, bears N. about 4.00 chs. dist., continue along S. slope.
72.70	Spur ridge, slopes S.; desc. 63 ft. over SW. slope.
80.12	The cor. of secs. 23, 24, 25 and 26.
	Land, rolling and mountainous. Soil, sandy 3d rate and rocky 4th rate. Timber, scattering palo verde, mesquite, ironwood and saguaro; undergrowth catclaw and cactus.
	N. 0° 01' W., on a random line, bet. secs. 23 and 24.
40.00	Set temp $\frac{1}{4}$ sec. cor.
79.68	Intersect E and W line, 4 lks. W. of the cor. of secs. 13, 14, 23 and 24, hereinbefore described.
	Thence
	S. 0° 01' W., on a true line, bet. secs. 23 and 24.
	Over rolling land, through scattering timber and dense undergrowth.
6.48	Wash, 30 lks. wide, course NW.

Chains.	
12.48	Wash, 20 lks. wide, course NW.
34.68	Wash, 50 lks. wide, course NW.
39.28	Wash, 50 lks. wide, course N. 70° W.
39.68	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$
	S23 S24
	1932
	from which
	An ironwood, 8 ins. diam., bears S. 41 $\frac{3}{4}$ ° E., 44 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.
	An ironwood, 10 ins. diam., bears N. 49 $\frac{1}{4}$ ° W., 33 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.
41.38	Wash, 50 lks. wide, course NW.
42.55	Road, bears E. and W.
48.28	Wash, 65 lks. wide, course S. 70° W.
57.65	Wash, 20 lks. wide, course W.; leave rolling land, asc. 327 ft. over N. slope of rough mountainous land.
74.03	Top of ridge, bears E. and W.; stone monument 5 ft. base, 6 ft. high, bears S. 15° 52' E.; desc. 63 ft. over S. slope.
79.68	The cor. of secs. 23, 24, 25 and 26.
	Land, rolling and mountainous. Soil, sandy 3d rate, and rocky 4th rate. Timber, scattering ironwood, palo verde, mesquite and saguaro; undergrowth catclaw and cactus.
	Thence from the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the Tp. hereinbefore described.
	N. 0° 01' W., bet. secs. 34 and 35.
	Over rolling land, through heavy timber and dense undergrowth.
7.80	Ravine, 8 ft. deep, course W.
10.00	Ravine, 10 ft. deep, course SW.
12.40	Ravine, 20 ft. deep, course SW.
26.60	Wash, 100 lks. wide, course SW.
31.50	Wash, 100 lks. wide, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$
	S34 S35
	1932
	from which

Chains.	<p>A palo verde, 10 ins. diam., bears S. $46\frac{1}{4}^{\circ}$ E., 78 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.</p> <p>A palo verde, 10 ins. diam., bears S. $34\frac{1}{4}^{\circ}$ W., 76 lks. dist. mkd. $\frac{1}{4}$ S 34 B T.</p> <p>Ascend 114 ft. over SE. slope.</p> <p>60.90 Old road, bears E. and W.</p> <p>61.50 Wash, 50 lks. wide course SW.; continue ascending.</p> <p>67.66 Point of spur, slopes SE.; desc. 48 ft.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap mkd.</p> <div style="text-align: center;"> <p>T13S R11E S 27 S 26 S 34 S 35 1932</p> </div> <p style="text-align: right;">from which</p> <p>An ironwood, 4 ins. diam., bears N. $17\frac{3}{4}^{\circ}$ E., 58 lks. dist., mkd. T 13 S R 11 E S 26 B T.</p> <p>A palo verde, 8 ins. diam., bears S. $70\frac{1}{2}^{\circ}$ E., 42 lks. dist., mkd. T 13 S R 11 E S 35 B T.</p> <p>A palo verde, 3 ins. diam., bears S. $26\frac{1}{2}^{\circ}$ W., 25 lks. dist., mkd. B T.</p> <p>A palo verde, 3 ins. diam., bears N. 41° W., 26 lks. dist., mkd. B T.</p> <p>Land, rolling and mountainous. Soil, sandy and rocky; 4th rate. Timber, ironwood, palo verde, mesquite and saguaro. Undergrowth, catclaw, cactus and ocotillo.</p> <hr/> <p>East, on a random line, bet. secs. 26 and 35.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.25 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 25, 26, 35 and 36.</p> <p>Thence</p> <p>S. $89^{\circ}59'$ W., on a true line, bet. secs. 26 and 35.</p> <p>Over mountainous land, through scattering timber and undergrowth.</p> <p>Ascend 4 ft. along S. slope.</p> <p>1.40 Point of rocky spur, slopes S.; desc. 78 ft. over SW. slope.</p> <p>5.47 Ravine, course S.; asc. 35 ft. over E. slope.</p> <p>7.30 Low spur, slopes S.; desc. 119 ft. over SW. slope.</p> <p>21.23 Ravine, course S.; asc. 231 ft. over E. slope.</p> <p>31.11 Stone monument, 5 ft. base, 6 ft. high, bears N. $83^{\circ}48'$ W.</p> <p>31.20 Spur, slopes S.; desc. 199 ft. over W. slope.</p>
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Chains	
36.80	Ravine, course SW.; asc. 19 ft.
40.02	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{r} S\ 26 \\ \hline WC\ \frac{1}{4} \\ S\ 35 \\ 1932 \end{array}$
	from which
	A palo verde, 4 ins. diam., bears N. $6\frac{1}{4}^{\circ}$ E., 35 lks. dist., mkd. W C $\frac{1}{4}$ S 26 B T.
	A palo verde, 5 ins. diam., bears S. 30° E., 42 lks. dist., mkd. W C $\frac{1}{4}$ S 35 B T.
40.12	True point for $\frac{1}{4}$ sec. cor. falls on sandstone boulder 6x6 ft. high.
	Descend 303 ft. over SW. slope.
62.55	Wash, 20 lks. wide, course SW.
79.74	Wash, 20 lks. wide, course S.
80.25	The cor. of secs. 26, 27, 34 and 35.
	Land, mountainous. Soil, sandy 3d rate and rocky 4th rate. Timber, scattering mesquite, palo verde, ironwood and saguaro; undergrowth, catclaw, octillo and cactus.
	West, on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.81	Intersect N. and S line, 3 lks. N. of the cor. of secs. 27, 28 33 and 34.
	Thence
	N. $89^{\circ}59'$ E., on a true line, bet. secs. 27 and 34.
	Over rolling land, through dense saguaro and undergrowth.
9.61	Road, bears NE. and SW.
16.21	Wash, 50 lks. wide, course SW.
29.31	Same wash, course NW.
30.81	Same wash, course SW.
39.90	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{r} S\ 27 \\ \hline \frac{1}{4} \\ S\ 34 \\ 1932 \end{array}$
	from which
	A palo verde, 6 ins. diam., bears S. $16\frac{1}{4}^{\circ}$ E., 35 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.

Chains	An ironwood, 6 ins. diam., bears N. 79 1/4° W., 118 lks. dist., mkd. 1/4 27 B T.
	Ascend 305 ft. over W. slope.
46.81	Red sandstone butte, bears N. about 10.00 chs. dist.
54.00	Wash, 30 lks. wide, course SW.
70.00	Top of ascent on N. slope of knoll.; desc. 158 ft. over E. slope.
79.81	The cor. of secs. 26, 27, 34 and 35.
	Land, rolling and mountainous. Soil, sandy 3d. rate; and rocky 4th rate. Timber, scattering ironwood, palo verde, mesquite and saguaro; undergrowth, catclaw and cactus.
<hr/>	
	N. 0° 01' W., bet. secs. 26 and 27.
	Over mountainous land, through scattering timber and undergrowth.
	Ascend 99 ft. over SE. slope.
5.80	Rocky spur, slopes SW.; desc. 112 ft. over NW. slope.
11.83	Wash, 20 lks. wide, course SW.; asc. 93 ft. SE. slope.
14.00	Red conical butte, about 100 ft. high, bears W. about 30.00 chs. dist.
24.60	Spur, slopes W.; desc. 34 ft. over NW. slope.
34.31	Ravine, course S. 70° W.; asc. 7 ft.
38.30	Low spur, slopes W.; desc. 11 ft.
39.70	Wash, 30 lks. wide, course W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor. with brass cap mkd.
	1/4 S27 S26 1932
	from which
	A palo verde, 6 ins. diam., bears S. 51 3/4° E., 16 lks. dist., mkd. 1/4 S 26 B T.
	A palo verde, 5 ins. diam., bears N. 85° W., 8 lks. dist., mkd. 1/4 S 27 B T.
	Ascend 38 ft. over SW. slope.
46.00	Continue along broken W. slope.
50.00	Descend 60 ft. over NW. slope.
62.54	Wash, 10 lks. wide, course SW.; asc. 28 ft. over SE. slope.
68.90	Low spur, slopes W.; desc. 21 ft. over NW. slope.
77.35	Wash, 30 lks. wide, course SW.; asc. 17 ft. over SE. slope.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 22, 23, 26 and 27, with brass cap mkd.

T13S R11E
S 22 | S 23
S 27 | S 26
1932

from which

An ironwood, 5 ins. diam., bears N. $24\frac{1}{4}^\circ$ E., 60 lks. dist., mkd. T 13 S R 11 E S 23 B T.

An ironwood, 4 ins. diam., bears S. $71\frac{1}{2}^\circ$ E., 71 lks. dist., mkd. T 13 S R 11 E S 26 B T.

An ironwood, 5 ins. diam., bears S. 18° W., 138 lks. dist., mkd. T 13 S R 11 E S 27 B T.

An ironwood, 5 ins. diam., bears N. 81° W., 43 lks. dist., mkd. T 13 S R 11 E S 22 B T.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering mesquite, palo verde and ironwood.
Undergrowth, greasewood, catclaw, cactus, ocotillo and saguaro,

N. $89^\circ 59'$ E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.28 Intersect N. and S line, 2 lks. N. of the cor. of secs 23, 24, 25 and 26.

Thence

West, on a true line, bet. secs. 23 and 26. ✓

Over mountainous land, through scattering timber and undergrowth.; desc. 173 ft. over W. slope.

2.98 Draw, course N. 70° W.

8.84 Ravine, course N. 30° W.; asc. 50 ft. over NE. slope.

12.80 Top of ascent; desc. 26 ft.

16.00 Ravine, course SW.; asc. 37 ft. over NE. slope.

20.30 Ridge, bears SE. and NW.; desc. 209 ft. over SW. slope.

29.28 Ravine, course NW.

32.38 Top of knoll, bears N. about 35.00 chs. dist.

40.12 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 23
 $\frac{1}{4}$
S 26
1932

from which ✓

Chains	<p>An ironwood, 4 ins. diam., bears N. 15⁵/₄° E., 18 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.</p> <p>A palo verde, 5 ins. diam., bears S. 66¹/₄° W., 24 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.</p> <p>Descend 116 ft. over NW. slope.</p> <p>48.92 Ravine, 8 ft. deep, course NW.</p> <p>58.60 Wash, 30 lks. wide, course NW.; continue descending.</p> <p>77.08 Wash, 30 lks. wide, course SW.; asc. 11 ft. over SE. slope.</p> <p>77.88 Old road, bears NE. and SW.</p> <p>80.28 The cor. of secs. 22, 23, 26 and 27.</p> <p>Land, mountainous. Soil, sandy 3d rate; and rocky 4th rate. Timber, scattering palo verde, mesquite, ironwood and saguaro; undergrowth, catclaw, ocotillo, greasewood and cactus.</p>
	<p>S. 89° 59' W., on a random line, bet. secs. 22 and 27. ✓</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>79.71 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 21, 22, 27 and 28.</p> <p>Thence</p> <p>S. 89° 57' E., on a true line, bet. secs. 22 and 27. ✓</p> <p>Over rolling land, through dense saguaro, ironwood and palo verde.</p> <p>17.31 Wash, 20 lks. wide, course NW.</p> <p>23.91 Road, bears NE. and SW.</p> <p>31.70 Leave rolling land, bears NE. and SW.; continue over rough mountainous land.; asc. 92 ft. over NW. slope.</p> <p>39.85 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <div style="text-align: center;"> <p>S 22</p> <hr style="width: 20%; margin: 0 auto;"/> <p>$\frac{1}{4}$ S 27</p> <p>1932</p> </div> <p style="text-align: right;">from which ✓</p> <p>An ironwood, 3 ins. diam., bears S. 8¹/₄° E., 69 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.</p> <p>An ironwood, 14 ins. diam., bears N. 25¹/₂° W., 249 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.</p> <p>Ascend 277 ft. over broken N. slope.</p> <p>59.70 Ascend over NW. slope.</p> <p>72.20 Ridge, bears NE. and SW.; high rocky peak, bears SW. about 30.00 ch. dist.; desc. 57 ft. over SE. slope.</p> <p>79.71 The cor. of secs. 22, 23, 26 and 27.</p>

Chains	Land, rolling and mountainous. Soil, sandy 2d rate and rocky 4th rate. Timber, ironwood, palo verde, mesquite and saguaro. Undergrowth, catclaw, ocatillo, greasewood, manzanita and cactus.
	N.0°01'W., on a random line, bet. secs. 22 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect E. and W. line, 32 lks. W. of the cor. of secs. 14, 15, 22 and 23.
	Thence
	S.0°13'W., on a true line, bet. secs. 22 and 23.
	Over rolling land, through dense saguaro and desert growth.
4.32	Wash, 50 lks. wide, course NW.
22.35	Road, bears E. and W.
26.17	Rocky wash, 30 lks. wide, course W.; leave rolling land, bears SE. and NW.; asc. 129 ft. over rough mountainous land.
39.92	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$
	S22 S23
	1932
	from which
	An ironwood, 4 ins. diam., bears S. 51 $\frac{1}{4}$ ° E., 37 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.
	An ironwood, 4 ins. diam., bears N. 36 $\frac{3}{4}$ ° W., 18 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
40.42	Top of ascent on E. slope of knoll; desc. 146 ft. over S. slope.
52.02	Ravine, course SW.
57.62	Ravine, 10 ft. deep, course W.; asc. 122 ft. over NW. slope.
75.00	Ridge, bears NE. and SW.; desc. 114 ft. over SE. slope.
79.92	The cor. of secs. 22, 23, 26 and 27.
	Land, rolling and mountainous. Soil, sandy 3rd rate; and rocky 4th rate. Timber, ironwood, palo verde, mesquite and saguaro. Undergrowth, catclaw, greasewood, ocatillo and cactus.

Chains.

FINAL TEST OF SOLAR ATTACHMENT.

Feb.8:In camp at 8h 30m a.m.,app.t.,I set off 32°15'N., on the lat.arc;15°12'S.,on the decl.arc;and orient the instrument with the solar;the line of sight agrees with the meridian established by Polaris observation,Jan.29, 1932.

At 4h 30m p.m.,app.t.,I set off 32°15'00"N.,on the lat. arc;15°04' S.on the decl.arc;and repeat the test of the solar;the line of sight agrees with the meridian established by Polaris observation.

GENERAL DESCRIPTION.

The SE.portion of T.13 S.,R.11 E.,lies on the W.slopes of the Tucson Mountains.The general elevation of the township is about 3000 ft.above sea level.The land is sandy and rocky,covered with scattering desert growth, of ironwood,mesquite,palo verde,catclaw and cactus. Saguaro is also found on the mountain slopes.

Dense forests of saguaro,ironwood,mesquite and palo verde is found at a lower elevation.There are two adobe houses within the township,one near the central part of sec.25 and one in the NE.1/4 of sec.27.There are no known settlers living within this township.

There are several mining claims and prospect holes scattered along the mountain slopes.The land is suitable for recreational purposes only.

BOOK 3971

CERTIFICATE OF UNITED STATES SURVEYOR

I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 1st day of December, 1931, 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~~ ^{re} the East boundary and a portion of the South boundary, and resurveyed and surveyed a portion of the subdivisional lines, completing the survey of Township 13 South, Range 11 East,

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey ^{and resurvey} have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey and resurvey.

William E. Hiester
Glendale, California. U. S. Surveyor.
March 30, 1933.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, September 16, 1933.

The foregoing field notes of the ^{re} survey of the East boundary and a portion of the South boundary, and the resurvey and survey of a portion of the subdivisional lines, completing the survey of Township 13 South, Range 11 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by William E. Hiester, U. S. Surveyor, under his special instructions dated December 1, 1931, ~~1931~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys ^{and resurveys} 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.

U. S. Supervisor of Surveys.