

FIELD NOTES

BOOK 3948

OF THE SURVEY OF THE

portion of the Subdivisional Lines completing the Subdivision

and

The Resurvey of

a portion of the East Boundary

and

Subdivisional Lines of

T. 11 S., R. 12 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William E. Hiester

U. S. Surveyor

In the capacity of U. S. Surveyor..., under Special Instructions dated June 17, 1930, issued by the District Cadastral Engineer to govern surveys included in Group No. 163, which were approved by the Commissioner of the General Land Office, July 25, 1930, and Assignment Instructions dated Nov. 4, 1931.

Survey commenced December 22, 1931

Survey completed January 14, 1932

3948

3948

INDEX DIAGRAM.

Township _____, *Range* _____

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BOOK 3948

4-679 b

INDEX DIAGRAM.

Township 11 S., Range 12 E.

3rd Standard Parallel South

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The resurvey and survey of a portion of the subdivisions of T.11 S., R.12 E., G & S.R.M., Arizona, 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 directions 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.11 S., R.12 E. as follows; latitude $32^{\circ}25'21''$ N., and longitude $111^{\circ}03'30''$ W.

Dec. 22, 1931 in camp near the cor. of secs. 24 and 25 on E. bdy. of T.11 S., R.12 E., I make an hour angle observation of Polaris east of the meridian, making four readings, two each with the telescope in direct and reversed positions. marking the mean point in the line thus determined on a peg driven firmly in the ground 10 chs. N.

Mean watch time of observation	7h12m00s
Watch fast of l.m.t	25m58s
Same by reference to radio and calculated difference in longitude	24m10s
Azimuth of Polaris	N. $0^{\circ}16'34''$ E.

At 7h 36.4m p.m., l.m.t., I make an observation of Polaris at upper culmination for latitude, making four readings two each with the telescope in direct and reversed positions.

Mean altitude of Polaris	$33^{\circ}32'00''$
Reduced latitude	$32^{\circ}27'24''$

Dec. 25: In camp on the meridian determined by observation of Polaris Dec. 22, 1931, in order to verify the latitude of this station and the reading of my watch, I make a meridian observation of the sun, first setting on the lower limb and noting the transit of the west 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	$34^{\circ}09'00''$
Reduced latitude	$32^{\circ}27'22''$
Mean watch time of observation	12h25m45s
Watch fast of l.m.t	25m58s

Every 30 min. from 8 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 the meridian established by Polaris observation, has a maximum error of less

Resurvey of a Portion of the E.Bdy.of T.11 S.,R.12 E.

Chains.

than 1'30".

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

A portion of the subdivisions of T.11 S.,R.12 E., was executed by Philip Contzen, U.S. Deputy Surveyor in 1895. The west boundary of T.11 S.,R.13 E., was executed by Wm H. Thorn, U.S.C.E., in 1921, establishing corners thereon to refer to secs. east of the line only

The following notes describe the resurvey of a portion of the subdivisions, and completing the subdivisions of T.11 S.,R.12 E.

A resurvey of the north four miles of the E.bdy. of the Tp. (topography and descriptive summary omitted) establishing corners thereon to refer to secs. W. of the line only.

Beginning at the cor. of secs. 24 and 25, on E. bdy. of T.11 S., R.12 E., which is a cross (X) 2 grooves on S. and 4 grooves N. of cross, marked on a granite ledge 6x6x4 ft. above ground, with mound of stone W.

Set an iron post, 3 ft. long, 2 ins. diam., over the cross at the true point for cor. on ledge, and in a mound of stone, 5 ft. base, 3 ft. high, for cor. of secs. 24 and 25, with brass cap mkd.

T11S
S 24 | T11S
S 25 | S30
R12E | R13E
1932

North, along E. bdy. of sec. 24.

35.24 Intersect the 1/4 sec. cor. of sec. 19, T.11 S., R.13 E., which is an iron post, 1 in. diam., 20 ins. above ground, firmly set in a mound of stone 3 ft. base, 1 1/2 ft. high, marked and witnessed as described in the official record.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor. of sec. 24, with brass cap mkd.

1/4 S24 |
1932

raise a mound of stone, 3 ft. base, 2 ft. high W. of cor.

75.24 Intersect the cor. of secs. 18 and 19, T.11 S., R.13 E., which is an iron post, 2 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

I additionally mark the brass cap to read.

T11S
T11S | S18
S24 | S19
R12E | R13E

1921 from which S.E. Cor. of house bears S. 55° W. 162 lks.

76.18 Melvin H. Robert's house on line.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 13 and 24, with brass cap mkd.

T11S T11S
S 13 | S 18
S 24 | R13E
R12E
1932

from which

A mesquite, 10 ins. diam., bears S. 68° W., 78 lks. dist., mkd. T 11 S R 12 E S 24 B T.

A mesquite, 18 ins. diam., bears N. 12¼° W., 108 lks. dist., mkd. T 11 S R 12 E S 13 B T.

North, along E. bdy. of sec. 13.

35.24

Intersect the ¼ sec. cor. of sec. 18 on W. bdy. of T. 11 S., R. 13 E., which is an iron post, 1 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. of sec. 13, with brass cap mkd.

¼ S13 |
1932

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

75.24

Intersect the cor. of secs. 7 and 18, on W. bdy. of T. 11 S., R. 13 E., which is an iron post, 2 ins. diam., 14 ins. above ground, firmly set in a mound of stone, 2 ft. base, 1 ft. high, marked and witnessed as described in the official record.

I additionally mark the brass cap to read,

T11S T11S
S 13 | S 7
R12E | S 18
R13E
1921

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 12 and 13, with brass cap mkd.

T11S T11S
S 12 | S 7
S 13 | R13E
R12E
1932

from which

A mesquite, 12 ins. diam., bears S. 8½° W., 169 lks. dist., mkd. T 11 S R 12 E S 13 B T.

Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.

4 Resurvey of a Portion of the E.Bdy. of T.11 S., R.12 E.

Chains. North, along the E.bdy. of sec.12.

35.84 Intersect the witness $\frac{1}{4}$ sec.cor. of sec.7 on W.bdy. of T. 11 S.R.13 E., which is an iron post, 1 in.diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

40.00 Set an iron post, 3 ft.long, 1 in.diam., 6 ins.in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec.cor. of sec.12, with brass cap mkd.

$\frac{1}{4}$ S12 |
1932

from which

A palo verde, 4 ins.diam., bears N.61 $\frac{1}{2}$ °W., 55 lks.dist., mkd. $\frac{1}{4}$ S 12 B T.

A palo verde, 4 ins.diam., bears N.21°W., 99 lks.dist., mkd. $\frac{1}{4}$ S 12 B T.

75.24 Intersect the cor. of secs.6 and 7, on W.bdy. of T.11 S., R.13 E., which is an iron post, 2 ins.diam., 9 ins. above ground, firmly set, marked and witnessed as described in the official record.

I additionally mark the brass cap to read,

T11S | T11S
S 12 | S 6
R12E | S 7
R13E
1921

80.00 Set an iron post, 3 ft.long, 2 ins.diam., 12 ins.in the ground to bedrock, and in a mound of stone to top, for cor. of secs.1 and 12, with brass cap mkd.

T11S | T11S
S 1 | S 6
S 12 | R13E
R12E
1932

from which

An oak, 3 ins.diam., bears S.7°W., 67 lks.dist., mkd. T 11 S R 12 E S 12 B T.

A granite boulder, 5x4x4 ft. above ground, bears N.61 $\frac{1}{2}$ ° W., 60 lks.dist., mkd. X B O.

North, along E.bdy. of sec.1

35.24 Intersect the $\frac{1}{4}$ sec.cor. on W.bdy. of T.11 S., R.13 E., which is an iron post, 1 in.diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

40.00 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. of sec.1, with brass cap mkd.

$\frac{1}{4}$ S1 |
1932

Chains from which

A palo verde, 4 ins. diam., bears S. 78³/₄° W., 71 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.

A palo verde, 6 ins. diam., bears N. 49³/₄° W., 94 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.

78.77 Intersect the closing cor. of Tps. 11 S., Rs. 12 and 13 E., which is an iron post, 3 ins. diam., standing firmly 6 ins. above the top of a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, marked and witnessed as described in the official record.

Resurvey of a Portion of the Subdivisions of T.11 S., R.12 E.

Beginning at the cor. of secs. 24 and 25 on E. bdy. of Tp. N. 89° 56' W., on a random line, bet. secs. 24 and 25.

39.79 Fall 23 lks. S. of the orig. $\frac{1}{4}$ sec. cor.
Thence from cor.

N. 89° 56' W., on a random line, bet. secs. 24 and 25.

40.01 Fall 13 lks. N. of the orig. cor. of secs. 23, 24, 25 and 26.

N. 0° 01' W., on a random line, bet. secs. 23 and 24.

41.02 Fall 10 lks. E. of the orig. witness cor. to $\frac{1}{4}$ sec. cor.
Thence from cor.

N. 0° 01' W., on a random line, bet. secs. 23 and 24.

39.00 No trace of the orig. cor. of secs. 13, 14, 23 and 24.
Set temp. cor.

S. 89° 59' W., on a random line, bet. secs. 14 and 23.

40.25 Fall 41 lks. N. of the orig. $\frac{1}{4}$ sec. cor.
Thence from cor.

S. 89° 59' W., on a random line, bet. secs. 14 and 23.

39.94 Fall 8 lks. N. of the orig. cor. of secs. 14, 15, 22 and 23.

N. 0° 01' W., on a random line, bet. secs. 14 and 15.

39.59 Fall 4 lks. E. of the orig. $\frac{1}{4}$ sec. cor.

Chains.	From the cor. of secs. 14, 15, 22 and 23.
	N. 89° 59' W., on a random line, bet. secs. 15 and 22.
39.94	Fall 13 lks. N. of the orig. $\frac{1}{4}$ sec. cor. Thence from cor.
	N. 89° 59' W., on a random line, bet. secs. 15 and 22.
39.87	Fall 16 lks. N. of the orig. cor. of secs. 15, 16, 21 and 22. -----
	N. 0° 02' W., on a random line, bet. secs. 15 and 16.
39.89	Fall 1 lk. W. of the orig. $\frac{1}{4}$ sec. cor. Thence from cor.
	N. 0° 02' W., on a random line, bet. secs. 15 and 16.
40.00	No trace of the orig. cor. of secs. 9, 10, 15 and 16. -----
	N. 89° 59' W., on a random line, bet. secs. 9 and 16.
43.28	Fall 30 lks. S. of the orig. witness cor. to $\frac{1}{4}$ sec. cor. Thence from cor.
	N. 89° 59' W., on a random line, bet. secs. 9 and 16.
36.92	Fall 15 lks. N. of the orig. cor. of secs. 8, 9, 16 and 17. -----
	N. 89° 56' W., on a random line, bet. secs. 8 and 17.
39.86	Fall 6 lks. N. of the orig. $\frac{1}{4}$ sec. cor. Thence from cor.
	N. 89° 56' W., on a random line, bet. secs. 8 and 17.
39.91	Fall 25 lks. N. of the orig. cor. of secs. 7, 8, 17 and 18. -----
	N. 0° 03' W., on a random line, bet. secs. 7 and 8.
39.91	Fall 14 lks. E. of the orig. $\frac{1}{4}$ sec. cor. Thence from cor.
	N. 0° 03' W., on a random line, bet. secs. 7 and 8.
39.93	Fall 21 lks. E. of the orig. cor. of secs. 5, 6, 7 and 8. -----
	S. 89° 56' E., on a random line, bet. secs. 5 and 8.
39.97	Fall 15 lks. S. of the orig. $\frac{1}{4}$ sec. cor. -----

Chains. From the cor. of secs. 5, 6, 7 and 8.
 N. 0° 04' W., on a random line, bet. secs. 5 and 6.
 40.05 Fall 9 lks. W. of the $\frac{1}{4}$ sec. cor.
 Thence from cor.
 N. 0° 04' W., on a random line, bet. secs. 5 and 6.
 39.73 Fall 9 lks. W. of the closing cor. of secs. 5 and 6 on N. bdy. of Tp.

From the cor. of secs. 24 and 25, on E. bdy. of Tp. hereinbefore described.
 N. 89° 36' W., on a true line, bet. secs. 24 and 25.
 Over rolling land, through scattering timber and undergrowth.
 Ascend 48 ft. over SE. slope.
 3.40 Top of ascent; desc. 14 ft. over NW. slope.
 10.20 Wash, 20 lks. wide, course SW.
 15.70 Wash, 100 lks. wide, course SE.; asc. 27 ft. over gradual E slope.
 25.00 E. N. Clayton's house bears N. about 10 chs. dist.
 28.30 Road, bears N. and S.
 36.00 Low ridge, bears NE. and SW.; desc. 17 ft.
 38.68 Wash, 10 lks. wide, course S.; asc. 17 ft.
 39.79 Intersect the original $\frac{1}{4}$ sec. cor., which is a granite stone, 10x8x8 ins. above ground, firmly set, poorly mkd. $\frac{1}{4}$ on N. face.
 At true point for 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 $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\begin{array}{r} S24 \\ \frac{1}{4} \text{ ---} \\ S25 \\ 1932 \end{array}$$
 from which
 The original bearing tree.
 An ironwood, 12 ins. diam., bears S. 37° E., 112 lks. dist., mks. illegible. I additionally mark this tree $\frac{1}{4}$ S 25 B T.
 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 Thence
 S. 89° 53' W., on a true line, bet. secs. 24 and 25.

Chains	Over level land, through heavy timber and scattering undergrowth.
5.00	Wash, 10 lks. wide, course SW.
8.70	Wash, 30 lks. wide, course SW.
19.60	Old road, bears NE. and SW.
40.01	Intersect the original cor. of secs. 23, 24, 25 and 26, which is a granite stone, 8x8x5 ins. above ground, firmly set, faintly marked 1 notch on E. and 2 notches on S edges, with mound of stone W. 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, for cor. of secs. 23, 24, 25 and 26, with brass cap mkd. <div style="text-align: center;"> T11SR12E S23 S24 S26 S25 . 1932 </div> <div style="text-align: right;">from which</div> New bearing trees. An ironwood, 4 ins. diam., bears N. 25 ³ / ₄ ° E., 139 lks. dist., mkd. T 11 S R 12 E S 24 B T. An ironwood, 7 ins. diam., bears S. 7° E., 67 lks. dist., mkd. T 11 S R 12 E S 25 B T. An ironwood, 10 ins. diam., bears S. 17 ³ / ₄ ° W., 227 lks. dist., mkd. T 11 S R 12 E S 26 B T. A palo verde, 5 ins. diam., bears N. 20 ³ / ₄ ° W., 31 lks. dist., mkd. T 11 S R 12 E S 23 B T. Land, level. Soil, sandy and silt; 3rd rate. Timber, ironwood, mesquite, palo verde and catclaw. Undergrowth cactus.
	N. 0° 10' W., on a true line, bet. secs. 23 and 24.
	Over rolling land, through scattering timber and dense undergrowth.
	Descend 42 ft. over gradual N. slope.
6.00	Wash, 20 lks. wide, course SW.
15.50	Wash, 20 lks. wide, course SW.
20.10	Wash, 50 lks. wide, course SW.
23.40	Enter sand wash, course SW.
27.60	Leave sand wash, course SW.
39.20	Wash, 50 lks. wide, course W.
40.02	True point for $\frac{1}{4}$ Sec. Cor.
41.02	Intersect the original witness cor. to $\frac{1}{4}$ sec. cor. of secs. 23 and 24, which is a sandstone 16x10x6 ins. above ground, firmly set, poorly marked WC $\frac{1}{4}$ on W. face.

Chains. At true point for witness cor.,

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness $\frac{1}{4}$ sec. cor. with the original stone deposited at the base, with brass cap mkd.

$\frac{1}{4}$
S23 | S24
WC
1932

from which

Original bearing trees.

A palo verde, 8 ins. diam., bears S. $3\frac{1}{4}^{\circ}$ E., 148 lks. dist., mks. illegible. I additionally mark this tree WC $\frac{1}{4}$ S 24 B T.

A palo verde, 6 ins. diam., bears N. 13° W., 59 lks. dist., mks. illegible. I additionally mark this tree WC $\frac{1}{4}$ S 23 B T.

Thence

N. $0^{\circ}15'$ W., on a true line, bet. secs. 23 and 24.

Over mountainous land, through scattering timber and undergrowth.

- 7.80 Ascend 318 ft. over SW. slope.
- 19.60 Continue ascending over SE. slope.
- 22.50 Top of rocky point, continue along broken E. slope.
- 38.00 Draw, course SE.
- 39.00 A point record dist. in latitude from the $\frac{1}{4}$ sec. cor. of secs. 23 and 24, and record dist. in departure from the $\frac{1}{4}$ sec. cor. of secs. 14 and 23.

Set an iron post, 3 ft. long, 2 in. diam., 27 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap mkd.

T11SR12E
S14 | S13
S23 | S24
1932

from which

A palo verde, 3 ins. diam., bears N. 51° E., 16 lks. dist., mkd. B T.

A palo verde, 4 ins. diam., bears S. $52\frac{1}{2}^{\circ}$ W., 65 lks. dist., mkd. B T.

A palo verde, 5 ins. diam., bears N. 59° W., 198 lks. dist., mkd. T 11 S R 12 E S 14 B T.

A granite boulder, $5\frac{1}{2} \times 4 \times 2\frac{1}{2}$ ft. above ground, bears N. 7° E., 10 lks. dist., mkd. X B O.

Land, mountainous.

Soil, rocky; 4th rate.

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

Chains.	East, on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.11	Intersect E. bdy. of Tp. 12 lks. N. of the cor. of secs. 13 and 24, hereinbefore described.
	Thence
	N. $89^{\circ}55'W.$, on a true line, bet. secs. 13 and 24.
	Over mountainous land, through scattering timber and undergrowth.
1.12	Old road, bears N. and S.; asc. 46 ft. over SE. slope.
7.50	S. slope of small knoll; desc. 89 ft. over NW. slope.
11.50	Enter sand wash, course SW.
19.00	Leave sand wash, course SW.; asc. 348 ft. over steep, rocky NE. slope.
34.50	Top of spur, slopes N.; desc. 75 ft. over NW. slope.
40.05	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, with a granite stone, 10x6x5 ins. mkd. X, deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{r} S\ 13 \\ \frac{1}{4} \\ \hline S\ 24 \\ 1932 \end{array}$
	No bearing trees available.
	Ascend 142 ft. over SE. slope.
48.50	Ridge, bears SE. and NW.; continue ascending.
53.50	Point of spur, slopes S.; desc. 488 ft. over SW. slope.
63.80	Continue descending over W. slope.
71.60	Wash, 15 lks. wide, course S.; asc. 200 ft. over SE. slope.
80.11	The cor. of secs. 13, 14, 23 and 24.
	Land, mountainous. Soil, rocky; 4th rate. Timber, scattering ironwood, mesquite and palo verde; undergrowth, catclaw and cactus.
	N. $0^{\circ}04'W.$, on a true line, bet. secs. 13 and 14, parallel to the W. bdy. of sec. 14.
	Over mountainous land, through scattering undergrowth.
	Ascend 161 ft. over SW. slope.
1.85	Rocky spur, slopes SE.; continue along E. slope.
22.00	Ridge, bears NE. and SW.; also head of draw, course SE.
23.20	Spur, slopes W.; desc. 75 ft. over N. slope.

Chains.

- 27.51 Ravine, course W.; asc. 59 ft. over S. slope.
- 29.90 Point of rocky spur, slopes NW.; desc. 150 ft. over N. slope.
- 35.50 Ravine, 27 ft. deep, course S. 70° W.; asc. 101 ft. over rocky S. 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 $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S14 | S13
1932

from which

A palo verde, 4 ins. diam., bears S. 63 $\frac{1}{2}$ ° E., 29 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.

A palo verde, 5 ins. diam., bears S. 80° W., 51 lks. dist., mkd. $\frac{1}{4}$ S 14 B T.

Ascend 195 ft. over rocky S. slope.

48.50 Rocky spur, slopes S. 70° W.; desc. 526 ft. over NW. slope..

73.67 Enter sand wash, course W.

74.27 Road, bears E. and W.

77.84 Leave sand wash, course W.

79.35 A point 79.98 chs. E. from the cor. of secs. 10, 11, 14 and 15, hereinafter described.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 11 and 14 only, with brass cap mkd.

T11SR12E
S11 | S13
S14 |
1932

from which

A palo verde, 14 ins. diam., bears S. 24 $\frac{1}{2}$ ° W., 228 lks. dist. mkd. T 11 S R 12 E S 14 B T.

A palo verde, 6 ins. diam., bears N. 54 $\frac{1}{2}$ ° W., 113 lks. dist., mkd. T 11 S R 12 E S 11 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 12 and 13 only, with brass cap mkd.

T11SR12E
S11 | S 12
S 13 |
1932

from which

A palo verde, 10 ins. diam., bears N. 70 $\frac{1}{2}$ ° E., 245 lks. dist. mkd. T 11 S R 12 E S 12 B T.

A palo verde, 16 ins. diam., bears S. 77° E., 73 lks. dist.,

Chains.	<p>mkd. T 11 S R 12 E S 13 B T.</p> <p>Land, mountainous. Soil, rocky; 4th rate. Timber, scattering, mesquite and ironwood; undergrowth, palo verde, catclaw and cactus.</p>
	<p>S. 89° 55' E., on a random line, bet. secs. 12 and 13.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.25	Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs. 12 and 13, hereinbefore described.
	Thence
	N. 89° 54' W., on a true line, bet. secs. 12 and 13.
	Over mountainous land, through scattering timber and undergrowth.
	Descend 338 ft. over NW. slope.
14.50	Rocky gulch, 20 lks. wide, course SW.; asc. 126 ft. over SE. slope.
23.25	Spur. slopes SW.; desc. 400 ft. over NW. slope.
40.12	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, with a granite stone, 15x7x6 ins. mkd. X, deposited at the base, and in a mound of stone to top for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	<p>S 12 $\frac{1}{4}$ ——— S 13 1932</p>
	No bearing trees available.
	Descend 481 ft. over NW. slope.
61.75	Enter sand wash, course SW.
64.75	Road, bears NE. and SW.
65.25	Leave sand wash, course SW.; continue over level land, through dense undergrowth.
80.25	The cor. of secs. 12 and 13.
	Land, mountainous. Soil, rocky; 4th rate. Timber, ironwood, palo verde and mesquite; undergrowth, catclaw and cactus.
	N. 0° 01' W., bet. secs. 11 and 12.
	Over mountainous land, through scattering undergrowth.
3.00	Ascend 932 ft. over steep rocky S. slope.
34.07	Top of rocky peak at end of spur, slopes E.; desc. 177 ft. over NE. slope.
34.10	SW. cor. of old stone house, bears N. 86° 49' E., 43.00 chs. dist.

Chains.

39.35 True point for 1/4 sec. cor. of sec. 11 falls on E. face of cliff.

39.50 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness 1/4 sec. cor. of sec. 11 only, with brass cap mkd.

1/4 S 11
WC

1932

raise a mound

of stone, 3 ft. base, 2 ft. high, W. of cor.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 12 only, with brass cap mkd.

1/4 S 12

1932

raise a mound

of stone, 3 ft. base, 2 ft. high, E. of cor.

Descend 77 ft. over NE. slope.

43.14 Gulch 20 lks. wide, course E.; asc. 382 ft. over SW. slope.

71.00 Rocky spur, slopes NW.; desc. 25 ft. over N. slope.

74.35 Wash, 10 lks. wide, course SW.; asc. 94 ft. over SE. slope.

79.35 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock, with a granite stone, 16x10x5 ins. mkd. X, deposited at the base, and in a mound of stone to top, for cor. of secs. 2 and 11 only, with brass cap mkd.

T11SR12E

S 2 | S12

S11 |

1932

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock, with a granite stone, 20x5x5 ins. mkd. X, deposited at the base, and in a mound of stone to top, for cor. of secs. 1 and 12 only, with brass cap mkd.

T11SR12E

S 2 | S 1

| S12

1932

from which

A mesquite, 6 ins. diam., bears N. 24° E., 170 lks. dist., mkd. T 11 S R 12 E S 1 B T.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering mesquite; undergrowth, catclaw and cactus.

S. 89° 54' E., on a random line, bet. secs. 1 and 12.

40.00 Set temp. 1/4 sec. cor.

80.22 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 1 and 12, hereinbefore described.

Chains.	Thence
	N.89°55'W., on a true line, bet. secs. 1 and 12.
	Over mountainous land, through scattering timber and undergrowth.
	Descend 270 ft. over NW. slope.
10.22	Wash, 100 lks. wide, in canyon, course S.30°W.; asc. 622 ft. over rocky SE. slope.
34.19	Top of high rocky spur, slopes S.; continue along S. slope.
40.11	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in crevice of boulder, 6 ft. base, 6 ft. high, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S 1 S12 1932
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Descend 22 ft. over SW. slope.
40.69	Ravine, course S.; asc. 74 ft. over SE. slope.
48.10	Top of low spur, slopes SE.; desc. 82 ft. over SW. slope.
54.67	Wash, 20 lks. wide, course S.; asc. 39 ft. over E. slope.
55.80	Rocky point of spur, slopes S.; desc. 9 ft. over W. slope.
56.31	Draw, course SW.; asc. 120 ft. over E. slope.
62.66	Rocky ridge, bears SE. and NW; continue along S. slope.
71.50	Spur, slopes SW.; desc. 91 ft. over NW. slope.
75.71	Wash, 20 lks. wide, course SW.; asc. 62 ft. over SE. slope.
80.22	The cor. of secs. 1 and 12.
	Land, mountainous. Soil rocky; 4th rate. Timber, scattering mesquite; undergrowth, catclaw and cactus.
	N.0°01'W., bet. secs. 1 and 2.
	Over mountainous land, through scattering undergrowth.
	Along E. slope:
7.68	Wash, 20 lks. wide, course SE.; asc. 337 ft. over steep, rocky S. slope.
29.49	Top of highest peak of Tortolita Mts.; desc. 456 ft. over steep N. slope.
39.20	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a granite stone, 20x10x10 ins. mkd. X, deposited at the base, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor. of sec. 2 only, with brass cap mkd.

Chains.

1/4 S2 |
WC |
1932

No bearing trees available.

39.35 True point for 1/4 sec. cor. falls on N. face of bluff, 20 ft. high.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 1 only, with brass cap mkd.

1/4 S1.
1932

of stone, 3 ft. base, 2 ft. high, E. of cor. raise a mound

Descend 479 ft. over broken NW. slope.

63.08 Wash, 20 lks. wide, course NW.

70.00 Gulch, course W.; asc. 106 ft. over S. slope.

73.71 Low spur, slopes W.; also house bears S. 68 1/2° W.; desc. 65 ft. over NW. slope.

78.48 Intersect 2nd Standard Parallel South.

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

T10SR12E
S35
S 2 | S 1
C C
T11SR12E
1932

of stone, 3 ft. base, 2 ft. high, S. of cor. raise a mound

No bearing trees available.

From point of intersection the standard 1/4 sec. cor. S. bdy. sec. 35, T.10 S., R.12 E., bears East, 18.23 chs. dist.; an iron post, 1 in. diam., standing firmly 6 ins. above the top of a mound of stone, 3 ft. base, 1 1/2 ft. high, marked and witnessed as described in the official record.

From the same point the standard cor. of secs. 34 and 35, T.10 S., R.12 E., bears West, 21.77 chs. dist.; an iron post, 2 ins. diam., standing firmly 6 ins. above the top of a mound of stone, 3 ft. base, 1 1/2 ft. high, marked and witnessed as described in the official record.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering mesquite; undergrowth catclaw and cactus.

Chains.	From the cor. of secs. 13, 14, 23 and 24. S. 89° 24' W., on a true line, bet. secs. 14 and 23. Over mountainous land, through scattering undergrowth. Descend 6 ft. over SW. slope.
1.10	Draw, course SE.; asc. 93 ft. over NE. slope.
6.10	Rocky spur, slopes S. 30° E.; desc. 486 ft. over W. slope.
23.00	Drain, course SW.; leave mountainous land; continue over rolling land, through dense undergrowth.
33.00	Wash, 100 lks. wide, course S. 30° W.
37.70	Drain, 5 lks. wide, course SW.
40.08	Intersect the $\frac{1}{4}$ sec. cor. which is a granite stone, 12x12 x 6 ins. above ground, firmly set, faintly marked $\frac{1}{4}$ on N. face. At true point for cor. 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. <div style="text-align: center;"> $\begin{array}{r} S14 \\ \hline S23 \\ 1932 \end{array}$ </div> from which Original bearing trees. An ironwood, 12 ins. diam., bears N. 81 $\frac{1}{2}$ ° E., 91 lks. dist., mks. illegible. I additionally mark this tree $\frac{1}{4}$ S 14. B T. A mesquite, 8 ins. diam., bears S. 30 $\frac{1}{4}$ ° W., 122 lks. dist., mks. illegible. I additionally mark this tree, $\frac{1}{4}$ S 23 B T. Thence S. 89° 52' W., on a true line, bet. secs. 14 and 23. Over level land, through scattering timber and dense undergrowth.
1.30	Wash, 10 lks. wide, course S.
3.90	Point of low spur, slopes SW.
5.87	Enter sand wash, course S.
13.00	Road, bears N. and S.
16.60	Leave sand wash, course S.
18.70	Enter sand wash, course S.
20.60	Old road, in wash, bears N. and S.
21.40	Leave sand wash, course S.; asc. 15 ft. over E. slope.
29.60	Ravine, 11 ft. deep, course SW.

Chains.
39.94

Intersect the cor. of secs. 14, 15, 22 and 23, which is a quartz stone, 8x8x8 ins. above ground, firmly set, marked with 3 notches on S. and 2 notches on E. face.

This cor. being in good state of preservation was not renewed.

Original bearing trees.

A palo verde, 10 ins. diam., bears N. 68° E., 90 lks. dist., mkd. T 11 S R 12 E S 14 B T.

A palo verde, 12 ins. diam., bears S. 46 1/4° E., 130 lks. dist., mkd. T 11 S R 12 E S 23 B T.

A palo verde, 10 ins. diam., bears S. 69° W., 60 lks. dist., mkd. T 11 S R 12 E S 22 B T.

A palo verde, 8 ins. diam., bears N. 51 1/2° W., 24 lks. dist., mkd. T 11 S R 12 E S 15 B T.

Land, rolling.

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

Timber, scattering ironwood, mesquite and palo verde.

Undergrowth, catclaw and cactus.

N. 0° 04' W., on a true line, bet. secs. 14 and 15.

Over rolling land, through scattering timber and dense undergrowth.

Ascend 16 ft. over gradual S. slope.

3.40 Wash, 30 lks. wide, course S. 70° W.

7.00 Low spur, slopes SW.; desc. 10 ft. over NW. slope.

8.30 Wash, 20 lks. wide. course SW.

16.20 Road, bears N. 70° E., and S. 60° W.

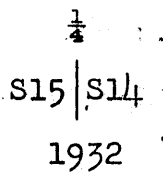
20.60 Drain, 10 lks. wide, course SW.

25.00 Road, bears E. and W.

30.10 Leave rolling land, bears E. and W.; asc. 169 ft. over steep, rocky SE. slope.

39.59 Intersect the 1/4 sec. cor. which is a cross (X) marked on surface rock, 2 1/2 x 18 x 4 ins. above ground.

Set an iron post, 3 ft. long, 1 in. diam., over the cross at the true point for cor. on surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for 1/4 sec. cor. with brass cap mkd.



from which

A palo verde, 4 ins. diam., bears S. 46 1/4° E., 19 lks. dist., mkd. 1/4 S 14 B T.

No other bearing tree available.

Chains.	Thence
	N.0°04'W., on a true line, bet. secs. 14 and 15.
	Over mountainous land, through scattering timber and undergrowth.
	Ascend 196 ft. over S. slope.
8.80	Spur, slopes S.70°W.; desc. 111 ft. over NW. slope.
16.04	Gulch, course SW.; asc. 312 ft. over SE. slope.
27.70	Rocky spur, slopes SW.; desc. 262 ft. over NW. slope.
35.10	Rocky gulch, course SW.; asc. 98 ft. over SE. slope.
40.35	At this point which is N.89°49'E., 80.03 chs. dist., from the cor. of secs. 9, 10, 15, and 16, (the mean course of the S. bdy. of sec. 15) hereinafter described.
	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, with brass cap mkd.
	T11SR12E S10 S11 S15 S14 1932
	from which
	A palo verde, 4 ins. diam., bears N.11°E., 37 lks. dist., mkd. T 11 S R 12 E S 11 B T.
	A palo verde, 3 ins. diam., bears S.78 ³ / ₄ °E., 28 lks. dist., mkd. B T.
	A palo verde, 4 ins. diam., bears S.75 ¹ / ₂ °W., 25 lks. dist., mkd. T 11 S R 12 E S 15 B T.
	A palo verde, 5 ins. diam., bears N.27 ¹ / ₂ °W., 48 lks. dist., mkd. T 11 S R 12 E S 10 B T.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, scattering palo verde and mesquite; undergrowth, catclaw and cactus.
	East, on a true line, bet. secs. 11 and 14.
	Over mountainous land, through scattering undergrowth.
	Ascend 12 ft. over SE. slope.
1.20	S. face of bluff, 20 ft. high.; desc. 23 ft. along S. slope.
4.47	Gulch, course SW.; asc. 79 ft. over NW. slope.
12.70	Low saddle in ridge, bears NE. and SW.; desc. 350 ft. over broken S. slope.
34.50	Rocky gulch, course SE.; asc. 94 ft. over SW. slope.
39.49	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 2 ft. high, for witness $\frac{1}{4}$ sec. cor. with brass cap mkd.

Chains	<p style="text-align: center;">S11 $\frac{1}{4}$ — WC S14 1932</p> <p style="text-align: right;">from which</p> <p>A palo verde, 8 ins. diam., bears N. $84\frac{1}{4}^{\circ}$ E., 119 lks. dist. mkd. W C $\frac{1}{4}$ S 11 B T.</p> <p>An ironwood, 8 ins. diam., bears S. $48\frac{3}{4}^{\circ}$ E., 102 lks. dist., mkd. W C $\frac{1}{4}$ S 14 B T.</p> <p>39.99 True point for $\frac{1}{4}$ sec. cor. falls in rocky wash, 20 lks. wide, course SW.</p> <p>Ascend 191 ft. over W. slope.</p> <p>50.00 Top of high, rocky spur, slopes S.; desc. 389 ft. over steep rocky E. slope.</p> <p>70.00 Base of spur, bears NE. and SW.; continue over level land.</p> <p>79.98 The cor. of secs. 11 and 14.</p> <p>Land, mountainous and level. Soil, rocky; 4th rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, scattering catclaw and cactus.</p> <hr/> <p>From the cor. of secs. 10, 11, 14 and 15.</p> <p>N. $0^{\circ} 01' W.$, bet. secs. 10 and 11.</p> <p>Over mountainous land, through scattering timber and dense undergrowth.</p> <p>Ascend 272 ft. over S. slope.</p> <p>18.40 Top of spur, slopes SW.; continue ascending 200 ft. along W. slope.</p> <p>23.20 Head of ravine, course SW.</p> <p>36.70 Ridge, bears NE. and SW.; desc. 48 ft. over NW. slope.</p> <p>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.</p> <p style="text-align: center;">$\frac{1}{4}$ S10 S11 1932</p> <p style="text-align: right;">raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.</p> <p>Descend 372 ft. over NW. slope.</p> <p>59.10 Ravine, course W.; asc. 14 ft. over SW. slope.</p> <p>65.30 Spur, slopes W.; desc. 187 ft. over N. slope.</p> <p>71.60 Rocky ravine, course NW.; asc. 50 ft. over SW. slope.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap mkd.</p>
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Chains.	<p style="text-align: center;">T11SR12E S 3 S 2 S10 S11 1932</p> <p style="text-align: right;">from which</p> <p>A palo verde, 4 ins. diam., bears N. 21° E., 65 lks. dist., mkd. T 11 S R 12 E S 2 B T.</p> <p>A palo verde, 4 ins. diam., bears S. 72³/₄° E., 69 lks. dist., mkd. B T.</p> <p>A palo verde, 6 ins. diam., bears S. 83³/₄° W., 125 lks. dist., mkd. T 11 S R 12 E S 10 B T.</p> <p>A mesquite, 6 ins. diam., bears N. 82° W., 127 lks. dist., mkd. T 11 S R 12 E S 3 B T.</p> <p>Land, mountainous. Soil, rocky; 4th rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, scattering catclaw and cactus.</p>
40.00	<p>East, on a random line, bet. secs. 2 and 11.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.86	<p>Intersect N. and S. line, 5 lks. N. of the cor. of secs. 2 and 11.</p> <p>Thence</p> <p>N. 89° 58' W., on a true line, bet. secs. 2 and 11.</p> <p>Over mountainous land, through scattering timber and undergrowth.</p> <p>Ascend 82 ft. over SE. slope.</p>
7.70	<p>Top of ascent.; desc. 119 ft. over SW. slope.</p>
14.90	<p>Rocky gulch, course SE.; asc. 190 ft. over NE. slope.</p>
23.40	<p>Spur, slopes S. 20° W.; desc. 148 ft. over NW. slope.</p>
27.20	<p>Head of gulch, course SW.; continue along S. slope.</p>
32.50	<p>Ridge, bears NE. and SW.; desc. 145 ft. over NW. slope.</p>
39.90	<p>Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a granite stone 12x10x3 ins. mkd. X, deposited at the base, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">S 2 WC $\frac{1}{4}$ — S11 1932</p> <p>No bearing trees available.</p>
39.93	<p>True point for $\frac{1}{4}$ sec. cor. falls on boulder 6x1x1 ft. above ground.</p> <p>Descend 543 ft. over steep NW. slope.</p>
45.00	<p>Spur, slopes NW.</p>

Chains.
 45.50 Head of draw, course SW.; continue descending over SW. slope.
 62.97 Wash, 50 lks. wide, course NW.; asc. 28 ft. over NE. slope.
 70.60 Spur, slopes NW.; desc. 257 ft. over SW. slope.
 79.86 The cor. of secs. 2, 3, 10 and 11.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, scattering mesquite and palo verde; undergrowth scattering cactus and catclaw.

N. 0° 01' W., on a true line, bet. secs. 2 and 3.

Over mountainous land, through, scattering timber and undergrowth.

Ascend 13 ft. over SW. slope.

1.30 Spur, slopes NW.; desc. 142 ft. over N. slope.

10.70 Ravine, 20 ft. deep, course NW.

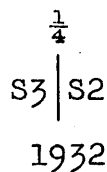
14.64 Ravine, 7 ft. deep, course W.; asc. 158 ft. over S. slope.

22.40 Spur, slopes W.; desc. 226 ft. over N. slope.

33.70 Enter wash, course SW.

37.50 Leave wash, course SW.; asc. 29 ft. over SE. slope.

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.



from which

An ironwood, 8 ins. diam., bears N. 75° E., 69 lks. dist., mkd. 1/4 S 2 B T.

An ironwood, 8 ins. diam., bears N. 49° W., 91 lks. dist., mkd. 1/4 S 3 B T.

Ascend 163 ft. over SE. slope.

48.70 Top of ascent on E. side of knoll.; desc. 57 ft. over NE. slope.

53.60 Base of descent; asc. 187 ft. over SW. slope.

61.70 Spur, slopes SE.; continue ascending along E. slope.

70.50 Top of ascent; desc. 66 ft. over NE. slope.

76.34 Ravine, course SE.; asc. 55 ft. over SW. slope.

79.33 Intersect 2nd Standard Parallel South.

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

Chains.

T10SR12E

S	34
S	3 S 2
C	C

T11SR12E

1932

raise a mound
of stone, 3 ft. base, 2 ft. high. S. of cor.

From point of intersection the standard $\frac{1}{4}$ sec. cor. S. bdy. sec. 34, T.10 S., R.12 E., bears East, 18.05 chs. dist., an iron post, 1 in. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

From the same point the standard cor. of secs. 33 and 34, T.10 S., R.12 E., bears West 21.95 chs. dist., an iron post, 2 ins. diam., 6 ins. above the top of a mound of stone, 3 ft. base, 1 ft. high, marked and witnessed as described in the official record.

Land, mountainous.

Soil, rocky; 4th rate.

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

Resurvey of a Portion of the Subdivisions
of T.11 S., R.12 E.

From the cor. of secs. 14, 15, 22 and 23, hereinbefore described.

S. $89^{\circ}50'W.$, on a true line, bet. secs. 15 and 22.

Over rolling land, through scattering timber and dense undergrowth.

7.40 Sand wash, 100 lks. wide, course S. $30^{\circ}W.$

26.00 Wash, 60 lks. wide, course SW.

27.20 Road, bears NE. and SW.

39.94 Intersect the $\frac{1}{4}$ sec. cor. which is a granite stone, 6x6x10 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

Original bearing tree.

An ironwood stump, 12 ins. diam., bears N. $43\frac{1}{2}^{\circ}E.$, 36 lks. dist., mks. visible B T.

New bearing trees.

An ironwood, 18 ins. diam., bears N. $14\frac{1}{2}^{\circ}E.$, 127 lks. dist., mkd. $\frac{1}{4}$ S 15. B T.

A palo verde, 6 ins. diam., bears S. $54\frac{1}{4}^{\circ}W.$, 34 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.

Thence

S. $89^{\circ}47'W.$, on a true line, bet. secs. 15 and 22.

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

16.70 Sand wash, 40 lks. wide, course SW.

31.70 Draw, course SW.

39.87 Intersect the cor. of secs. 15, 16, 21 and 22, which is a granite boulder in place, 36x30x18 ins. above ground, marked with a cross X on top of stone, with 3 notches S. and 3 notches E. of cross.

This cor. being in good state of preservation was not renewed.

from which

Original bearing trees.

An ironwood, 16 ins. diam., bears N. 10° E., 77 lks. dist., mkd. T 11 S R 12 E S 15 B T.

A palo verde, 10 ins. diam., bears S. 27° E., 90 lks. dist., mkd. T 11 S R 12 E S 22 B T.

A palo verde, 8 ins. diam., bears S. 61° W., 149 lks. dist., mkd. T 11 S R 12 E S 21 B T.

A palo verde, 10 ins. diam., bears N. 63½° W., 30 lks. dist., mkd. T 11 S R 12 E S 16 B T.

Land, rolling.
Soil, sandy and silt; 3 rd rate.
Timber, scattering ironwood, mesquite and palo verde.
Undergrowth, catclaw and cactus.

N. 0° 01' W., on a true line, bet. secs. 15 and 16.

Over rolling land, through scattering timber and dense undergrowth.

Ascend 63 ft. over gradual S. slope.

6.00 Wash, 30 lks. wide, 3 ft. deep, course S. 80° W.

17.80 Wash, 50 lks. wide, 3 ft. deep, course S. 80° W.

24.35 Road, bears E. and W.

34.50 Wash, 40 lks. wide, course SW.

39.89 Intersect the ¼ sec. cor. which is a granite stone, 3x7x8 ins. above ground, loosely set and broken, marked ¼ on W. face.

At true point for cor.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap mkd.

¼
S16 | S15

1932

from which

Chains

Original bearing trees.

A palo verde, 12 ins. diam., bears S. 60° E., 67 lks. dist., tree badly decayed, mks. illegible.

A palo verde, 8 ins. diam., bears N. 49³/₄° W., 109 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.

New bearing tree.

An ironwood, 24 ins. diam., bears N. 25³/₄° E., 15 lks. dist., mkd. $\frac{1}{4}$ S 15 B T.

Thence

N. 0° 26' W., on a true line, bet. secs. 15 and 16.

Over level land, through scattering timber and undergrowth.

2.80 Base of Tortolita Mts, bears N. 80° E., and S. 80° W.; asc. 261 ft. over S. slope.

12.80 Spur, slopes SW.; desc. 67 ft. over NW. slope.

17.64 Wash, 10 lks. wide, course S. 70° W.; asc. 290 ft. over SE. slope

27.31 Top of spur, slopes SW.; continue ascending along top of spur.

30.41 Leave spur, from NE.; desc. 239 ft. over NW. slope.

40.00 A point record dist. in latitude from the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, and record dist. in departure from the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, with a granite stone, 12x10x6 ins. deposited at the base, for cor. of secs. 9, 10, 15 and 16, with brass cap mkd.

T11SR12E.

S 9 | S10

S16 | S15.

1932

from which

An ironwood, 10 ins. diam., bears N. 13³/₄° E., 123 lks. dist., mkd. T 11 S R 12 E S 10. B T.

A palo verde, 6 ins. diam., bears S. 47¹/₂° W., 84 lks. dist., mkd. T 11 S R 12 E S 16 B T.

No other bearing trees available.

Land, level and mountainous.

Soil, sandy and rocky; 4th rate.

Timber, scattering ironwood, mesquite and palo verde.

Undergrowth, scattering catclaw and cactus.

Chains.	N.89°49'E., on a true line bet. secs. 10 and 15 (the mean course of the S. bdy. of sec. 15) Over mountainous land, through scattering timber and undergrowth. Ascend 292 ft. over NW. slope.
13.70	Head of draw, course NW.; continue ascending over SW. slope.
20.00	Low saddle on ridge, bears NE. and SW.
23.40	Continue ascending along S. slope.
40.01	True point for 1/4 sec. cor. falls on N. face of granite boulder, 6x6x5 ft. above ground.
40.14	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in crevice of boulder, 6x6x3 ft. above ground, for witness 1/4 sec. cor. with brass cap mkd.
	$\begin{array}{r} S10 \\ WC \frac{1}{4} \text{---} \\ S15 \\ 1932 \end{array}$
	from which
	A palo verde, 4 ins. diam., bears S. 38 1/2° E., 22 lks. dist., mkd. WC 1/4 S 15 B T.
	A granite boulder, 10x8x6 ft. above ground, bears N. 48 1/4° W., 26 lks. dist., mkd. X B O.
45.60	Point of rocky spur, slopes S.; desc. 175 ft. over SE. slope.
56.90	Draw, course S.; asc. 61 ft. over SW. slope.
64.00	Point of rocky spur, slopes S.; desc. 46 ft. over SE. slope.
66.80	Ravine, course S. 30° W.; asc. 186 ft. over SW. slope.
80.03	Intersect the cor. of secs. 10, 11, 14 and 15. Land, mountainous. Soil, rocky; 4th rate. Timber, scattering palo verde and mesquite; undergrowth, cactus and catclaw.
	From the cor. of secs. 9, 10, 15 and 16. N. 0° 12' W., on a random line, bet. secs. 9 and 10.
40.00	Set temp. 1/4 sec. cor.
79.84	A point S. 89° 53' E., 80.06 chs. dist., from the cor. of secs. 4, 5, 8 and 9, hereinafter described. Set temp. cor.

	I return to the cor. of secs. 9, 10, 15 and 16. N. 0° 12' W., on a true line, bet. secs. 9 and 10 (parallel to the W. bdy. of sec. 9) Over mountainous land, through scattering timber and dense undergrowth.

Chains.	Descend 103 ft. over NE. slope.
4.65	Rocky wash, 20 lks. wide, 4 ft. deep, course W.; asc. 23 ft. over S. slope.
8.30	Low spur, slopes W.; desc. 32 ft. over N. slope.
9.00	Knoll, 150 ft. high, bears W. about 20 chs. dist.
12.65	Wash, 25 lks. wide, course S. 80° W.; asc. 32 ft. over S. slope.
16.30	Low saddle on ridge, bears E. and W.; desc. 53 ft. over N. slope.
19.94	Sand wash, 100 lks. wide, 10 ft. deep, course S. 70° W.; asc. 39 ft. over S. slope.
27.60	Low spur, slopes SW.; continue over rolling land.
30.12	Wash, 20 lks. wide, course SW.; asc. 25 ft.
39.92	Mid point. 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. $\frac{1}{4}$ S9 S10 1932 from which An ironwood, 10 ins. diam., bears N. 35 $\frac{3}{4}$ ° E., 84 lks. dist. mkd. $\frac{1}{4}$ S. 10 B T. An ironwood, 10 ins. diam., bears N. 56 $\frac{3}{4}$ ° W., 119 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.
41.10	Drain, course SW.
43.20	Road, bears N. 80° E., and S. 80° W.
44.80	Ravine, course SW.
47.88	Wash, 20 lks. wide, course SW.
63.40	Sand wash, 70 lks. wide, course S. 70° W.; asc. 361 ft. over steep, rocky S. slope.
79.84	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 3, 4, 9 and 10, with brass cap mkd. T11SR12E S 4 S 3 S 9 S10 1932 from which A palo verde, 4 ins. diam., bears N. 51 $\frac{1}{4}$ ° E., 65 lks. dist., mkd. B T. An ironwood, 6 ins. diam., bears S. 64° E., 188 lks. dist., mkd. T 11 S R 12 E S 10 B T. An ironwood, 6 ins. diam., bears S. 48 $\frac{3}{4}$ ° W., 185 lks. dist. mkd. B T.

Chains.	A palo verde, 12 ins. diam., bears N. 43° W., 95 lks. dist., mkd. T 11 S R 12 E S 4 B T.
	Land, mountainous and rolling. Soil, sandy and rocky; 4th rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, scattering catclaw and cactus.
	N. 89° 49' E., on a random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.28	Intersect N. and S. line, 19 lks. S. of the cor. of secs. 2, 3, 10 and 11.
	Thence
	S. 89° 41' W., on a true line, bet. secs. 3 and 10.
	Over mountainous land, through scattering timber and undergrowth.
	Descend 295 ft. over SW. slope.
9.75	Wash, 20 lks. wide, course NW.; continue over rolling land in valley.
24.89	Same wash, 30 lks. wide, course SW.
33.53	Enter sand wash, course S. 20° W.; house bears N. about 20 chs.
40.14	True point for ¼ sec. cor. falls in sand wash, course S.
41.10	Leave sand wash, course S.
41.84	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness ¼ sec. cor. with brass cap mkd.
	$\begin{array}{r} S \ 3 \\ \frac{1}{4} \text{---} WC \\ S10 \\ 1932 \end{array}$
	from which
	An ironwood, 6 ins. diam., bears S. 5½° E., 35 lks. dist., mkd. W C ¼ S 10 B T.
	A mesquite, 8 ins. diam., bears N. 31° W., 27 lks. dist., mkd. W C ¼ S 3 B T.
	Ascend 28 ft. over E. slope.
43.52	Road, bears NE. and SW.
53.62	Wash, 30 lks. wide, course SW.
69.22	Base of ascent bears NE. and SW.; asc. 306 ft. over steep, rocky E. slope.
80.28	The cor. of secs. 3, 4, 9 and 10.
	Land, rolling and mountainous. Soil, sandy and rocky 3rd and 4th rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, scattering catclaw and cactus.

Chains. N.0°02'W., on a true line, bet. secs. 3 and 4.
 Over mountainous land, through scattering timber and undergrowth.
 Ascend 189 ft. over S. slope.
 10.80 High rocky spur, slopes SW.; desc. 55 ft. over NW. slope.
 16.81 Head of gulch, course SW.; asc. 160 ft. over S. slope.
 22.38 Top of rocky spur, slopes SE.; asc. 252 ft. over broken SE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in crevice of granite boulder, 5x4x2 ft. above ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$
 S4 | S3
 1932
 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Rocky knoll on point of spur, bears S.10°E., 100 lks. dist.
 40.20 Spur, slopes SE.; desc. 75 ft. over NW. slope.
 48.00 Head of rocky gulch, course W.; asc. 68 ft. over S. slope.
 52.36 Ridge, bears E. and W.; desc. 102 ft. over N. slope.
 57.26 Head of draw, course NW.; continue along W. slope.
 63.26 Low spur, slopes NW.; desc. 110 ft. over N. slope.
 65.60 Gulch, course N.70°W.; asc. 43 ft. over SW. slope.
 72.30 Spur, slopes W.; desc. 153 ft. over N. slope.
 79.66 Intersect 2nd Standard Parallel South.
 Set an iron post, 3 ft. long, 2 ins. diam., 17 ins. in the ground to bedrock, with a granite stone 16x7x5 ins. marked X, deposited at the base, and in a mound of stone to top, for closing cor. of secs. 3 and 4, with brass cap mkd.
 T10SR12E
 S33
 S.4 | S 3
 C | C
 T11SR12E
 1932
 from which
 A mesquite, 4 ins. diam., bears S.51 $\frac{1}{4}$ °E., 119 lks. dist., mkd. T 11 S R 12 E S 3 C C B T.
 raise a mound of stone, 4 ft. base, 2 ft. high, S. of cor.

Chains.

From point of intersection the standard $\frac{1}{4}$ sec.cor.S. bdy.sec.33,T.10 S.,R.12 E.,bears East,18.32 chs.dist., an iron post,1 in.diam.,12 ins.above ground,firmly set, marked and witnessed as described in the official record.

From the same point the standard cor.of secs.32 and 33, T.10.S.,R.12 E.,bears West,21.68 chs.dist.,an iron post, 2 ins.diam.,standing firmly 4 ins.above the top of a mound of stone,3 ft.base,1 ft.high,marked and witnessed as described in the official record.

Land,mountainous.

Soil,rocky; $\frac{1}{4}$ th rate.

Timber,scattering palo verde and mesquite;undergrowth, scattering catclaw,cactus and yucca.

Resurvey of a Portion of the Subdivisions of T.11 S.,R.12 E.

From the cor.of secs.9,10,15 and 16.

N.89°35'W.,on a true line,bet.secs.9 and 16.

Over rolling land,through scattering timber and dense undergrowth.;asc.21 ft.over gradual NE.slope.

4.00 Top of low spur,slopes N.;desc.26 $\frac{1}{4}$ ft.over NW.slope.

35.00 Base of descent,bears NE.and SW.;enter sand wash,course SW.

40.02 True point for $\frac{1}{4}$ sec. cor.

42.00 Leave sand wash,course SW.;asc.18 ft.over E.slope.

43.00 Intersect the original witness $\frac{1}{4}$ sec.cor.which is a granite stone,5x6x10 ins.above ground,firmly set, marked,W C $\frac{1}{4}$ on N.face.

.This cor.being in good state pf preservation was not renewed.

Original bearing tree.

A palo verde,12 ins.diam.,bears S.55 $\frac{1}{2}$ °W.,101 lks. dist.,old.blaze badly decayed.

New bearing trees.

An ironwood,12 ins.diam.,bears S.70°W.,100 lks.dist., mkd.W C $\frac{1}{4}$ S 16 B T.

An ironwood,10 ins.diam.,bears N.18 $\frac{1}{4}$ °W.,171 lks.dist. mkd.W C $\frac{1}{4}$ S 9 B T.

Thence

S.89°47'W.,on a true line,bet.secs.9 and 16.

Over level land,through scattering timber and dense undergrowth.

6.90 Road,bears N.10°E.,and S.10°W.

Chains.	
9.70	Road, bears N. and S.
20.00	Drain, 10 lks. wide, course SW.
36.92	Intersect the original cor. of secs. 8, 9, 16 and 17, which is a granite stone, 16x14x12 ins. above ground, firmly set, marked 4 notches on S. and 4 notches on E. face. This cor. being in good state of preservation was not renewed. Original bearing trees. An ironwood, 8 ins. diam., bears N. $31\frac{1}{4}^{\circ}$ E., 66 lks. dist., mks. illegible. I additionally mark this tree, T 11 S R 12 E S 9 B T. A palo verde, 12 ins. diam., bears S. $43\frac{1}{2}^{\circ}$ E., 94 lks. dist., mks. illegible. I additionally mark this tree, T 11 S R 12 E S 16 B T. A palo verde, 10 ins. diam., bears S. $47\frac{3}{4}^{\circ}$ W., 48 lks. dist., mks. illegible. I additionally mark this tree, T 11 S R 12 E S 17 B T. No trace of the original NW. bearing tree. New bearing tree. An ironwood, 8 ins. diam., bears N. $73\frac{1}{2}^{\circ}$ W., 169 lks. dist., mks. T 11 S R 12 E S 8 B T. Land, rolling. Soil, sandy and rocky; 4th rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, catclaw, cactus, yucca and mesquite.
	North, on a random line, bet. secs. 8 and 9.
30.19	Fall 10 lks. E. of the original witness $\frac{1}{4}$ sec. cor.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.83	A point N. $89^{\circ}51'$ E. from the $\frac{1}{4}$ sec. cor. of secs. 5 and 8, hereinafter described. ----- I return to the cor. of secs. 8, 9, 16 and 17. N. $0^{\circ}12'$ W., on a true line, bet. secs. 8 and 9. Over level land, through scattering timber and dense undergrowth.
5.45	Wash, 20 lks. wide, course W.
15.10	Wash, 30 lks. wide, course SW.
27.20	Enter sand wash, course SW.
29.80	Leave sand wash, course SW.
30.20	Intersect the original witness $\frac{1}{4}$ sec. cor. for secs. 8 and 9 which is a cross X $\frac{1}{4}$ WC marked on top of granite ledge, 18x10x4 ft. above ground.

Resurvey and Survey of a Portion of the Subdivisions of T.11 S., R.12 E.

Chains.

I add WP to the original markings.

Ascend 240 ft. over steep S. slope.

39.50

Top of spur, slopes E.; desc. 7 ft. over NE. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 1 1/4 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
S8 | S9
1932

from which

A palo verde, 5 ins. diam., bears N. 77 1/2° E., 26 lks. dist., mkd. 1/4 S 9 B T.

A palo verde, 10 ins. diam., bears N. 62 1/2° W., 110 lks. dist., mkd. 1/4 S 8 B T.

Descend 142 ft. over NE. slope.

46.50

Gulch, course E.; asc. 558 ft. over steep, rocky S. slope.

64.40

Top of ascent on E. face of bluff, 50 ft. high.

66.40

Rocky spur, slopes E.; desc. 269 ft. over NE. slope.

79.83

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for secs. 4, 5, 8 and 9, with brass cap mkd.

T11SR12E
S 5 | S 4
S 8 | S 9
1932

from which

An ironwood, 4 ins. diam., bears N. 11 3/4° E., 63 lks. dist., mkd. T 11 S R 12 E S 4 B T.

An ironwood, 4 ins. diam., bears S. 40° E., 48 lks. dist., mkd. T 11 S R 12 E S 9 B T.

A palo verde, 5 ins. diam., bears S. 35 1/2° W., 31 lks. dist., mkd. T 11 S R 12 E S 8 B T.

An ironwood, 6 ins. diam., bears N. 62 1/2° W., 33 lks. dist., mkd. T 11 S R 12 E S 5 B T.

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

S. 89° 53' E., on a true line, bet. secs. 4 and 9.

Over mountainous land, through scattering timber and undergrowth.

Descend 268 ft. over NE. slope.

40
30 12
7 2 82
39 46

Chains.	
15.76	Ravine, 10 ft. deep, course SW.; asc. 29 ft. over NW. slope.
26.50	Top of ascent; continue along S. slope.
27.43	Wash, 20 lks. wide, course SW.; asc. 270 ft. over NW. slope.
36.56	Top of rocky knoll, bears S. 250 lks. dist.
37.40	Rocky spur ridge, bears NE. and SW.; desc. 87 ft. over SE. slope.
40.03	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a granite stone, 10x5x5 ins. mkd. X, deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{r} S\ 4 \\ \frac{1}{4} \text{ ---} \\ S\ 9 \\ 1932 \end{array}$
	from which
	An ironwood, 6 ins. diam., bears N. $68\frac{1}{4}^{\circ}$ W., 102 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.
	No other bearing tree available.
	Descend 102 ft. over SE. slope.
52.29	Rocky wash, 20 lks. wide, course SW.; asc. 376 ft. over NW. slope.
70.00	Point of spur, slopes NW.; desc. 28 ft. over NE. slope.
72.76	Head of draw, course N.; asc. 88 ft. over NW. slope.
76.00	Spur, slopes SW.; desc. 106 ft. over SE. slope.
80.06	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous. Soil, rocky; 4th rate. Timber, scattering ironwood, palo verde and mesquite. Undergrowth, catclaw and cactus.
	From the cor. of secs. 4, 5, 8 and 9.
	N. $0^{\circ} 04'$ E., on a true line, bet. secs. 4 and 5. (the mean course of the W. bdy. of sec. 5)
	Over mountainous land, through scattering timber and undergrowth.
	Ascend 10 ft. over SE. slope.
2.30	Spur, slopes NE.; desc. 372 ft. over NW. slope.
19.00	Gulch, course W.; asc. 195 ft. over SW. slope.
32.00	Spur, slopes W.; desc. 78 ft. over NW. slope.
38.20	Ravine, course SW. asc 36 ft. over S. slope.
39.00	Low spur, slopes W.; desc. 15 ft. over N. slope.

Chains.
40.00

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S 5 | S 4
1932

from which

A palo verde, 5 ins. diam., bears S. $19\frac{1}{2}^{\circ}$ E., 33 lks. dist., mkd. $\frac{1}{4}$ S 4 B T.

A palo verde, 5 ins. diam., bears S. 34° W., 75 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.

Descend 11 ft. over N. slope.

41.00 Ravine, course W.; asc. 182 ft. over S. slope.

49.80 Spur, slopes W.; desc. 309 ft. over N. slope.

70.10 Wash, 50 lks. wide, course W.; asc. 139 ft. over S. slope.

76.86 Spur, slopes W.; desc. 43 ft. over N. slope.

79.47 Intersect the 2nd Standard Parallel South.

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 closing cor. of secs. 4 and 5 with brass cap mkd.

T10SR12E
S 32
S 5 | S 4
C | C
T11SR12E
1932

from which

A palo verde, 6 ins. diam., bears S. $13\frac{3}{4}^{\circ}$ E., 92 lks. dist., mkd. T 11 S R 12 E S 4 C C B T.

A palo verde, 5 ins. diam., bears S. $14\frac{1}{4}^{\circ}$ W., 121 lks. dist., mkd. T 11 S R 12 E S 5 C C B T.

From point of intersection the standard $\frac{1}{4}$ sec. cor. S. bdy. sec. 32, T. 10 S., R. 12 E., bears East, 18.11 chs. dist., an iron post, 1 in. diam., 14 ins. above ground, mkd. and witnessed as described in the official record.

From the same point, the standard cor. of secs. 31 and 32, T. 10 S., R. 12 E., bears West, 21.89 chs. dist., an iron post, 2 ins. diam., 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering palo verde, mesquite and ironwood.

Undergrowth, scattering mesquite, catclaw and cactus.

Chains.	From the cor. of secs. 8, 9, 16 and 17. S. $89^{\circ}59'W.$, on a true line, bet. secs. 8 and 17. Over level land, through scattering timber and dense undergrowth.
8.70	Wash, 30 lks. wide, course S. $70^{\circ}W.$
11.10	Wash, 20 lks. wide, course S.
32.20	Wash, 100 lks. wide, course SW.
39.86	The original $\frac{1}{4}$ sec. cor. which is a granite stone, 3x8x6 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face. This cor. being in good state of preservation was not renewed. Original bearing tree. An ironwood, 10 ins. diam., bears N. $4^{\circ}E.$, 72 lks. dist., mks. illegible. I additionally mark this tree $\frac{1}{4}$ S 8 B T. No trace of the original SW. bearing tree. New bearing tree. A palo verde, 6 ins. diam., bears S. $25\frac{1}{2}^{\circ}E.$, 43 lks. dist., mkd. $\frac{1}{4}$ S 17 B T.
	Thence S. $89^{\circ}43'W.$, on a true line, bet. secs. 8 and 17. Over level land, through scattering timber and dense undergrowth.
12.10	Wash, 20 lks. wide, course S.
16.20	Road, bears N. and S.
19.10	Wash, 20 lks. wide, course SW.
25.00	Wash, 20 lks. wide, course SW.
32.70	Wash, 25 lks. wide, course SW.
39.91	Intersect the original cor. of secs. 7, 8, 17 and 18, which is a granite stone 10x8x6 ins. above ground, firmly set, mkd. 4 notches on S. and 5 notches on E. face. This cor. being in good state of preservation was not renewed. Original bearing trees. A palo verde, 16 ins. diam., bears N. $24\frac{1}{2}^{\circ}E.$, 137 lks. dist., mks. illegible. I additionally mark this tree, T 11 S R 12 E S 8 B T. A palo verde, 10 ins. diam., bears S. $32^{\circ}E.$, 203 lks. dist., mks. illegible. I additionally mark this tree, T 11 S R 12 E S 17 B T. A palo verde, 8 ins. diam., bears N. $37^{\circ}W.$, 57 lks. dist., tree partly dead and decayed. No trace of the original SW. bearing tree.

Chains.	<p>New bearing trees.</p> <p>A palo verde, 10 ins. diam., bears S. 57$\frac{1}{2}$° W., 170 lks. dist., mkd. B T.</p> <p>A mesquite, 8 ins. diam., bears N. 78° W., 71 lks. dist., mkd. T 11 S R 12 E S 7 B T.</p> <p>Land, level. Soil, sandy and silt; 2nd rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, catclaw, mesquite and cactus.</p> <hr/> <p>N. 0° 15' W., on a true line, bet. secs. 7 and 8.</p> <p>Over level land, through scattering timber and dense undergrowth.</p> <p>3.80 Wash, 15 lks. wide, course S. 80° W.</p> <p>11.50 Shallow wash, 20 lks. wide, course SW.</p> <p>24.40 Old road, bears S. 70° E., and N. 70° W.</p> <p>25.50 Wash, 10 lks. wide, course W.</p> <p>31.10 Wash, 80 lks. wide, course W.</p> <p>39.91 Intersect the original $\frac{1}{4}$ sec. cor. which is a granite stone, 12x6x8 ins. above ground, firmly set, marked $\frac{1}{4}$ on W. face.</p> <p>This cor. being in good state of preservation was not renewed.</p> <p>Original bearing trees.</p> <p>A palo verde, 10 ins. diam., bears N. 72° E., 59 lks. dist., mks. illegible. I additionally mark this tree, $\frac{1}{4}$ S 8 B T.</p> <p>A palo verde, 8 ins. diam., bears S. 62° W., 12 lks. dist., mks. illegible. I additionally mark this tree, $\frac{1}{4}$ S 7 B T.</p> <p>Thence .</p> <p>N. 0° 21' W., on a true line, bet. secs. 7 and 8.</p> <p>Over rolling land, through scattering timber and dense undergrowth.</p> <p>4.60 Wash, 20 lks. wide, course W.</p> <p>17.30 Ravine, 10 ft. deep, course W.</p> <p>22.50 Wash, 100 lks. wide, course S. 70° W.</p> <p>23.50 Road, bears NE. and SW.</p> <p>39.93 Intersect the cor. of secs. 5, 6, 7 and 8, which is an iron post, 2 ins. diam., standing 6 ins. above the top of a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, marked and witnessed as described in the official record.</p> <p>Land, rolling. Soil, sandy and silt; 3rd rate. Timber, scattering ironwood, mesquite and palo verde. Undergrowth, catclaw, mesquite and cactus.</p>
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Chains.	N.89°51'E., on a true line, bet. secs. 5 and 8.
	Over rolling land, through scattering timber and dense undergrowth.
	Ascend 11 ft. over W. slope.
5.00	Low spur, slopes S.; desc. 17 ft. over E. slope.
9.40	Road, bears N. and S., in wash course SW.
28.90	Junction of washes, from N. and NE. course S.; asc. 79 ft. over W. slope.
39.97	Intersect the original $\frac{1}{4}$ sec. cor. which is a granite stone, 3x10x15 ins. above ground, poorly mkd. $\frac{1}{4}$ on N. face.
	At true point for cor.
	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 $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{r} S\ 5 \\ \hline S\ 8 \\ 1932 \end{array}$
	from which
	Original bearing tree.
	A palo verde, 16 ins. diam., bears S. 8 $\frac{3}{4}$ ° E., 37 lks. dist., poorly mkd. I additionally mark this tree $\frac{1}{4}$ S 8 B T.
	No trace of the original NW. bearing tree.
	New bearing tree.
	A palo verde, 4 ins. diam., bears N. 19 $\frac{1}{2}$ ° W., 25 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.
	Continue line and measurement over mountainous land.
	Ascend 691 ft. over steep rocky NW. slope.
73.59	Top of rocky spur, slopes N.; desc. 133 ft. over NE. slope.
79.93	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling and mountainous.
	Soil sandy, silt and rocky; 3rd and 4th rates.
	Timber, scattering ironwood, palo verde and mesquite.
	Undergrowth, catclaw, cactus, reasewood and mesquite.
	From the cor. of secs. 5, 6, 7 and 8.
	N. 0° 04' E., on a true line, bet. secs. 5 and 6.
	Over rolling land, through scattering timber and dense undergrowth.
10.42	Road, bears NE. and SW.
12.60	Wash, 10 lks. wide, course W.
18.70	Wash, 20 lks. wide, course SW.

Chains. 40.05	Intersect the $\frac{1}{4}$ sec. cor. which is an iron post, 1 in diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.
43.65	Low spur, slopes W.
45.85	Enter level land, bears E. and W.
49.25	Road, bears NE. and SW.
50.55	Wash, 40 lks. wide, course SW.
55.50	Leave level land; continue over rolling land.; asc. 25 ft. over S. slope.
65.75	Top of ascent; desc. 28 ft. over N. slope.
69.69	Wash, 20 lks. wide, course SW.; asc. 51 ft. over SE. slope.
79.78	Intersect the closing cor. of secs. 5 and 6, on 2nd standard parallel south, which is an iron post, 2 ins. diam., standing 6 ins. above the top of a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, marked and witnessed as described in the official record.

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

FINAL TEST OF SOLAR ATTACHMENT.

Jan. 14: In camp at 8h 30m a.m. app. t., I set off $32^{\circ}27'22''$ N., on the lat. arc; $21^{\circ}24'$ S., on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation Dec. 22, 1931.

At 4h 20m p.m., app. t., I set off $32^{\circ}27'22''$ N., on the lat. arc; $21^{\circ}19\frac{3}{4}'$ S., on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

Jan 14, 1932.

GENERAL DESCRIPTION.

The north portion of T.11 S., R.12 E., lies in the Tortolita Mountains, the land is rough and rocky, with scattering mesquite, ironwood, palo verde, catclaw and cactus. The general elevation is about 3500 ft. above sea level.

The central part of the township is rolling land, the soil is sandy and silt covered with dense mesquite, palo verde, ironwood, catclaw and cactus.

There are two settlers in sec. 24, who have houses, one in sec. 12 and one in sec. 3.

The land is used for stock grazing as there is a scattering growth of native grass over most of the township. There are no mineral indications within the township.

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 17th day of June, 1930, 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 the subdivisional lines, and resurveyed all those parts or portions of the East boundary, and subdivisional lines of T. 11 S., R. 12 E.

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.

Signature of William E. Hiester, U. S. Surveyor, San Francisco, California. June 10, 1932.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS, DENVER, COLORADO. OCT 14 1932, 19

The foregoing field notes of the survey of part (completion) of the subdivisional lines, and of the resurvey of part of the East boundary, and part of the subdivisional lines of Township 11 South, Range 12 East, of the Gila and Salt River Bade and Meridian, in the State of Arizona,

executed by William E. Hiester, U. S. Surveyor under his special instructions dated June 17, 1930, 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.

Signature of 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.