

Original

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(April 1933)

BOOK 4217

Book G.

FIELD NOTES

OF THE RESURVEY OF THE

Second Standard Parallel South,

South Boundary of Townships 9 South, Ranges 16, 17, and 18

West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Horace M. Muscott, Public Land Surveyor,

General Land Office

Under special instructions dated November 20, 1936, which provided for the surveys included under Group No. 218, bearing the approval of the Commissioner of the General Land Office under date of December 18, 1936 and assignment instructions dated February 23, 1937.

Survey commenced March 25, 1937

Survey completed April 1, 1937.

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Second Standard Parallel South					

Resurvey of the S. Bdy. of T.9 S.,R.16 W.
2nd. Stan. Par. S.

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The following field notes describe the reestablishment of the survey executed by J.L.Harris, Deputy Surveyor, in 1878.

The resurvey was executed with Buff Transit No.16723, of 1924 model, property of the General Land Office. The instrument is equipped with the Smith solar attachment, and was approved by the District Cadastral Engineer, on Feb. 23, 1937, conditional upon satisfactory field tests.

On March 9, 1937, a meridian was established at camp near the $\frac{1}{4}$ sec. cor. of secs. 24 and 25, T.8 S.,R.15 W., for description of which, see the field notes of the survey of T.10 S.,R.15 W., under this group. Also for the test of the solar attachment on March 21.

As the line to be resurveyed runs over mostly open country, the tangent method of survey was found most suitable. The azimuth at point of beginning was determined with the solar and the line then projected by fore and back sight as a transit line. However the azimuth was checked with the solar at frequent intervals. The tangent line was first run as a random, and temporary points were set on the latitudinal curve by using the proper offsets as obtained from the standard field tables.

Diligent search was made for old corners at record distances. All missing corners were reestablished by the method of single proportion. The description of only the true line is given in the following field notes.

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. Clinometers were used where necessary to determine the slope angles, only the horizontal equivalents are shown in the field notes.

The standard cor. of Ts.9 S.,Rs.15 and 16 W., is an iron post, 3 ins. diam., 10 ins. above ground, marked and witnessed as described in the official record.

Thence

S.89°40'W., along the S. bdy. of sec. 36.

Over nearly level desert land.

40.14 Proportional distance,

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

S C
 $\frac{1}{4}$ S 36

1937

No suitable accessory.

68.00 Drain, 60 lks. wide, 1 ft. deep, course N.10°E.

80.28 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with broken glass deposited at the base, for standard cor. of secs. 35 and 36, with brass cap mkd.

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Resurvey of S. Bdy. of T.9 S., R.16 W.
2nd. Stan. Par. S.

Chains

S C
T9S R16W
S 35 | S 36

1937

from which

A palo verde, 7 ins. diam., bears N. $6\frac{3}{4}^{\circ}$ E., 551 lks.
dist., mkd. T 9 S R 16 W S 36 S C B T

No other accessory available.

Land, nearly level.
Soil, sandy loam, 2nd. rate.
Timber, a few palo verde and ironwood.
Undergrowth, greasewood, sage and cacti.

S. $89^{\circ}40'W.$, along the S. bdy. of sec. 35.

Over nearly level desert land.

3.00 Drain, 25 lks. wide, 1 ft. deep, course N. $10^{\circ}E.$ 25.00 Drain, 20 lks. wide, 1 ft. deep, course N. $10^{\circ}E.$

40.14 Proportional distance,

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

S C
 $\frac{1}{4}$ S 35

1937

from which

A palo verde, 7 ins. diam., bears N. $72\frac{3}{4}^{\circ}E.$, 414 lks.
dist., mkd. $\frac{1}{4}$ S 35 S C B T

No other accessory available.

80.28 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, with broken glass deposited at the base, for
standard cor. of secs. 34 and 35, with brass cap mkd.

S C
T9S R16W
S 34 | S 35

1937

No suitable accessory.

Land, nearly level.
Soil, sandy loam, 2nd. rate.
Timber, a few palo verde and ironwood.
Undergrowth, greasewood, sage and cacti.

S. $89^{\circ}40'W.$, along the S. bdy. of sec. 34.

Over nearly level desert land.

40.14 Proportional distance,

Resurvey of the S. Bdy. of T.9 S., R.16 W.
2nd. Stan. Par. S.

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

S C
 $\frac{1}{4}$ S 34

1937

from which

A palo verde, 5 ins. diam., bears N.27°W., 403 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T

No other accessory available.

80.28 Proportional distance,

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

S C
T9S R16W
S 33 | S 34

1937

from which

A palo verde, 6 ins. diam., bears N.44 $\frac{1}{4}$ °E., 425 lks. dist., mkd. T 9 S R 16 W S 34 S C B T

A palo verde, 4 ins. diam., bears N.38 $\frac{1}{4}$ °W., 493 lks. dist., mkd. T 9 S R 16 W S 33 S C B T

Land, nearly level.

Soil, sandy loam, 2nd. rate.

Timber, a few palo verde and ironwood.

Undergrowth, greasewood, sage and cacti.

S.89°40'W., along the S. bdy. of sec. 33.

Over nearly level desert land.

40.14 Proportional distance,

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

S C
 $\frac{1}{4}$ S 33

1937

No suitable accessory.

80.28 The standard cor. of secs. 32 and 33, which is an old charred stake, 2 ins. sq., 2 ins. above ground. No marks are visible, but undoubtedly the original cor.

At point for cor.,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with broken glass deposited at the base, and the old stake alongside, for standard cor. of secs. 32 and 33, with brass cap mkd.

S C
T9S R16W
S 32 | S 33

1937

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Resurvey of the S. Bdy. of T.9 S., R.16 W.
2nd. Stan. Par. S.

Chains	No accessories available. Land, nearly level. Soil, sandy loam, 2nd. rate. Timber, a few palo verde and ironwood. Undergrowth, greasewood, sage and cacti.
40.16	S.89°43'W., along the S. bdy. of sec. 32. Over nearly level desert land. Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. with brass cap mkd. $\begin{array}{r} \text{S C} \\ \frac{1}{4} \text{ S } 32 \\ \hline 1937 \end{array}$ <p style="text-align: right;">from which</p> <p>A palo verde, 10 ins. diam., bears N.86$\frac{1}{4}$°E., 538 lks. dist., mkd. $\frac{1}{4}$ S 32 S C B T</p> <p>A palo verde, .6 ins. diam., bears N.24$\frac{3}{4}$°W., 360 lks. dist., mkd. $\frac{1}{4}$ S 32 S C B T</p>
80.32	Proportional distance, Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with broken glass deposited at the base, for standard cor. of secs. 31 and 32, with brass cap mkd. $\begin{array}{r} \text{S C} \\ \text{T9S R16W} \\ \text{S } 31 \text{S } 32 \\ \hline 1937 \end{array}$ <p>No suitable accessory. Land, nearly level. Soil, sandy loam, 2nd. rate. Timber, very scattering palo verde and ironwood. Undergrowth, greasewood, sage and cacti.</p>
40.16	S.89°43'W., along the S. bdy. of sec. 31. Over nearly level desert land. Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd. $\begin{array}{r} \text{S C} \\ \frac{1}{4} \text{ S } 31 \\ \hline 1937 \end{array}$ <p style="text-align: right;">from which</p> <p>An ironwood, 6 ins. diam., bears N.55$\frac{1}{2}$°E., 303 lks. dist., mkd. $\frac{1}{4}$ S 31 S C B T</p> <p>A palo verde, 8 ins. diam., bears N.79°W., 416 lks. dist., mkd. $\frac{1}{4}$ S 31 S C B T</p>

Resurvey of the S. Bdy. of T.9 S.,R.16 W.
2nd. Stan. Par. S.

Chains

79.85

The standard cor. of Ts.9 S.,Rs.16 and 17 W., which is a mesquite post, 2 ins. sq.,1 ft. above ground, no marks visible.

At point for cor.,

Set an iron post, 3 ft. long, 3 ins. diam.,27 ins. in the ground, with the old stake alongside, for standard cor. of Ts.9 S.,Rs.16 and 17 W., with brass cap mkd.

S C
T 9 S
R17W R16W
S 36 | S 31

1937

from which

The original bearing tree:

A palo verde, 8 ins. diam.,bears N.63 $\frac{3}{4}$ °E.,219 lks. dist.,old scribe marks visible.

New bearing trees:

A palo verde, 8 ins. diam.,bears N.38 $\frac{3}{4}$ °W.,523 lks. dist.,mkd. T 9 S R 17 W S 36 S C B T

Land, nearly level.

Soil, sandy loam,2nd. rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood, sage and cacti.

Resurvey of the S. Bdy. of T.9 S.,R.17 W.
2nd. Stan. Par. S.

The following field notes describe the reestablishment of the survey executed by J.L.Harris, Deputy Surveyor in 1878.

In this resurvey, the azimuth at point of beginning was determined with the solar, and the line then projected as a transit line, using fore and back sights. However the azimuth was checked with the solar at frequent intervals. The latitudinal curve was obtained by making the proper offsets from the tangent. All missing corners were established by the method of single proportion. The description of the true line only, is given in the following field note record.

From the standard cor. of Ts.9 S.,Rs.16 and 17 W.,described above,

S.89°52'W., along the S. bdy. of sec. 36.

Over nearly level desert land.

40.36

Proportional distance,

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

S C
 $\frac{1}{4}$ S 36

1937

from which

BOOK 4217 Resurvey of the S. Bdy. of T.9 S.,R.17 W.
2nd. Stan. Par. S.

Chains	A palo verde, 6 ins. diam., bears N.33°W., 349 lks. dist., mkd. $\frac{1}{4}$ S 36 S C B T
	No other accessory available.
55.00	Unimproved desert road, bears S.10°E. and N.10°W.
80.73	Proportional distance,
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap mkd.
	$\begin{array}{c} \text{S C} \\ \text{T9S R17W} \\ \text{S } 35 \text{S } 36 \\ \hline \end{array}$
	1937
	from which
	A palo verde, 8 ins. diam., bears N.71 $\frac{1}{2}$ °E., 403 lks. dist., mkd. T 9 S R 17 W S 36 S C B T
	A palo verde, 6 ins. diam., bears N.37 $\frac{1}{4}$ °W., 254 lks. dist., mkd. T 9 S R 17 W S 35 S C B T
	Land, nearly level. Soil, sandy, 2nd. rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood, sage and cacti.
	S.89°52'W., along the S. bdy. of sec. 35.
	Over level desert land.
14.00	Enter low hills, bear N. and S. Thence through low saddle.
27.00	Leave low hills, enter flat.
32.00	Unimproved road, bears NW. and SE.
40.36	Proportional distance,
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{c} \text{S C} \\ \frac{1}{4} \text{ S } 35 \\ \hline \end{array}$
	1937
	from which
	An ironwood, 8 ins. diam., bears N.89 $\frac{3}{4}$ °E., 131 lks. dist., mkd. $\frac{1}{4}$ S 35 S C B T
	An ironwood, 6 ins. diam., bears N.59 $\frac{3}{4}$ °W., 94 lks. dist., mkd. $\frac{1}{4}$ S 35 S C B T
	A bench mark of the U.S. Geological Survey, bears N.42° 17'W.; a brass tablet set in concrete, published elevation 626 ft. above sea level.
55.30	A dry wash, 1 ch. wide, 4 ft. deep, course NW. Thence over series of small drains and washes, course NE.
57.30	Dim road, bears NW. and SE.
80.73	Proportional distance,
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the

Resurvey of the S. Bdy. of T.9 S., R.17 W.
2nd. Stan. Par. S.

Chains ground, for standard cor. of secs. 34 and 35, with brass cap mkd.

S C
T9S R17W
S 34 | S 35

1937

from which

An ironwood, 8 ins. diam., bears N.7°E., 140 lks. dist.
mkd. T 9 S R 17 W S 35 S C B T

An ironwood, 8 ins. diam., bears N.45 $\frac{3}{4}$ °W., 99 lks. dist.
mkd. T 9 S R 17 W S 34 S C B T

The bench mark of the U.S. Geological Survey, hereinbefore described, bears N.43°48'E.

Land, nearly level and rolling.
Soil, rocky, 3rd. and 4th. rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood, sage and cacti.

S.89°52'W., along the S. bdy. of sec. 34.

Over gently sloping desert land, over a series of small washes, draining NE.

8.70 Asc. 220 ft. over broken NE. slope.

32.70 Spur, slopes NW.; desc. 100 ft. over NW. slope.

40.36 Proportional distance,

Set an iron post, 3 ft. long, 1 in. diam., on surface rock, supported in a mound of stone, 5 ft. base, to top of post, for standard $\frac{1}{4}$ sec. cor. with brass cap mkd.

S C
 $\frac{1}{4}$ S 34

1937

from which

A palo verde, 6 ins. diam., bears N.81 $\frac{1}{2}$ °E., 245 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T

A palo verde, 5 ins. diam., bears N.30°W., 108 lks. dist., mkd. $\frac{1}{4}$ S 34 S C B T

Desc. 60 ft. over SW. slope.

55.30 Wash, 50 lks. wide, 5 ft. deep, course N.20°W.

64.30 Wash, 8 lks. wide, 8 ft. deep, course NE. Along wash.

69.00 Asc. 27 ft. over SE. slope.

80.73 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bed rock, and in a mound of stone to top, for standard cor. of secs. 33 and 34, with brass cap mkd.

S C
T9S R17W
S 33 | S 34

1937

from which

Resurvey of the S. Bdy. of T.9 S.,R.17 W.
2nd. Stan. Par. S.

Chains

A palo verde, 6 ins. diam., bears N.65°E., 274 lks.
dist., mkd. T 9 S R 17 W S 34 S C B T

No tree near in sec. 33.

Land, rolling.

Soil, rocky, 4th. rate.

Timber, a few palo verde and ironwood.

Undergrowth, greasewood, sage and cacti.

S.89°52'W., along the S. bdy. of sec. 33

Over broken land. Asc. NE. slope.

2.25 Spur, slopes NE.; desc. 95 ft. over broken NW. slope.

17.00 Wash, 10 lks. wide, 6 ft. deep, course N.40°E.; asc. 57
ft. over SE. slope.

22.90 Spur, slopes NE.; desc. 110 ft. over NW. slope.

29.00 Leave hills, bear N. and S.

40.36 The 1/4 sec. cor. of secs. 4 and 33, which is a granite
stone, 10 x 8 x 6 ins., with illegible chisel marks visible
and a mound of stone N. of cor.

At point for cor., with the old stone deposited alongside,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for standard 1/4 sec. of sec. 33 only, with brass
cap mkd.

S C
1/4 S 33

1937

from which

A palo verde, 5 ins. diam., bears N.71 3/4°E., 117 lks.
dist., mkd. 1/4 S 33 S C B T

A palo verde, 6 ins. diam., bears N.29°W., 102 lks.
dist., mkd. 1/4 S 33 S C B T

Thence

S.89°40'W., along the S. bdy. of sec. 33.

Over slightly rolling land.

40.38 The cor. of secs. 4, 5, 32 and 33, which is a granite
stone, 12 x 10 x 7 ins., above ground, with chisel marks
visible.

At point for cor., with the old stone deposited alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for standard cor. of secs. 32 and 33 only, with
brass cap mkd.

S C
T9S R17W
S 32 | S 33

1937

from which

A palo verde, 6 ins. diam., bears N.48 1/4°W., 326 lks.
dist., mkd. T 9 S R 17 W S 32 S C B T

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

Resurvey of the S. Bdy. of T.9 S.,R.17 W.
2nd. Stan. Par. S.

4217

Chains

Land, rolling on E. portion, nearly level on W.
Soil, rocky, 3r. and 4th. rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood, sage and cacti.

S.89°36'W., along the S. bdy. of sec. 32.

Over nearly level land.

14.80 Old road, bears N. and S.

16.50 Wash, 65 lks. wide, 5 ft. deep, course N.20°W.

39.48 Midpoint,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for standard $\frac{1}{4}$ sec. cor. of sec. 32, with brass
cap mkd.

S C
 $\frac{1}{4}$ S 32

1937

from which

A palo verde, 8 ins. diam., bears N.53 $\frac{1}{2}$ °E., 180 lks.
dist., mkd. $\frac{1}{4}$ S 32 S C B T

A palo verde, 6 ins. diam., bears N.61 $\frac{3}{4}$ °W., 216 lks.
dist., mkd. $\frac{1}{4}$ S 32 S C B T

52.50 Wash, 15 lks. wide, course N.20°W.

78.96 The cor. of secs. 5, 6, 31 and 32, which is a mesquite
post, in mound of earth.

At point for cor., with the old post alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for standard cor. of secs. 31 and 32 only, with
brass cap mkd.

S C
T9 S R17 W
S 31 | S 32

1937

from which

A palo verde, 6 ins. diam., bears N.1 $\frac{1}{4}$ °E., 319 lks.
dist., mkd. T 9 S R 17 W S 32 S C B T

A palo verde, 8 ins. diam., bears N.62°W., 467 lks.
dist., mkd. T 9 S R 17 W S 31 S C B T

Land, nearly level.
Soil, sandy and rocky, 2nd. and 3rd. rate.
Timber, scattering palo verde and ironwood.
Undergrowth, sage, greasewood and cacti.

S.89°40'W., along the S. bdy. of sec. 31.

Over nearly level desert land.

40.32 Proportional distance,

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

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Resurvey of the S. Bdy. of T.9 S.,R.17 W.
2nd. Stan. Par. S.

Chains

$$\frac{S C}{\frac{1}{4} S 31}$$

1937

from which

A palo verde, 7 ins. diam., bears N.11 $\frac{1}{4}$ °W., 296 lks.
dist., mkd. $\frac{1}{4}$ S 31 S C B T

A palo verde, 6 ins. diam., bears N.78 $\frac{1}{2}$ °W., 335 lks.
dist., mkd. $\frac{1}{4}$ S 31 S C B T

80.22 The cor. of Ts. 9 and 10 S., Rs.17 and 18 W., which is a piece of the old charred post set in mound of earth.

At point for cor.,

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, with a glass insulator deposited at the base, for standard cor. of Ts.9 S.,Rs.17 and 18 W. only, with brass cap mkd.

$$\begin{array}{c} S C \\ T9S \\ R18W | R17W \\ \hline S 36 | S 31 \end{array}$$

1937

from which

A palo verde, 5 ins. diam., bears N.84°W., 369 lks.
dist., mkd T 9 S R 18 W S 36 S C B T

No other accessory available.

Land, nearly level.

Soil, sandy loam, 2nd. rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood and sage.

Resurvey of the S. Bdy. of T.9 S.,R.18 W.
2nd. Stan. Par. S.

The following field notes describe the reestablishment of the survey executed by J.L.Harris, Deputy Surveyor in 1878.

In this resurvey, a random line was run by the tangent method, as hereinbefore described. However only the true line is described in the field note record. All missing corners were reestablished by the method of single proportion.

From the standard cor. of Ts. 9 S.,Rs.17 and 18 W., described above,

S.89°54'W., along the S. bdy. of sec. 36.

Over nearly level desert land.

40.01 Proportional distance,

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

$$\frac{S C}{\frac{1}{4} S 36}$$

1937

No other accessory available.

Resurvey of the S. Bdy. of T.9 S., R.18 W.
2nd. Stan. Par. S.

Chains
80.02

The cor. of secs. 1, 2, 35 and 36, which is a piece of old mesquite stake, in mound of earth.

At point for cor.,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with broken glass deposited at the base, and the old stake alongside, for standard cor. of secs. 35 and 36 only, with brass cap mkd.

S C
T9S R18W
S 35 | S 36

1939

No trees or stones near.

Land, nearly level.
Soil, sandy loam, 2nd. rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood and sage.

S.89°40'W., along the S. bdy. of sec. 35.

Over nearly level desert land.

40.18

Proportional distance,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with broken glass deposited at the base, for standard $\frac{1}{4}$ sec. cor. of sec. 35 only, with brass cap mkd.

S C
 $\frac{1}{4}$ S 35

1937

No trees or stones near.

80.36

Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with broken glass deposited at the base, for standard cor. of secs. 34 and 35, with brass cap mkd.

S C
T9S R18W
S 34 | S 35

1937

No trees or stones near.

From this point, a bench mark of the U.S. Geological Survey, bears S.31°38'W., 19.90 chs. dist.; mkd. 2M 1925 Elev. 494 ft. above sea level.

Land, nearly level.
Soil, sandy loam, 2nd. rate.
Timber, very scattering palo verde and ironwood.
Undergrowth, greasewood, sage and ocotillo.

S.89°40'W., along the S. bdy. of sec. 34.

Over nearly level desert land.

17.00

Unimproved road, bears N. to Wellton and SE. to Papago Wells.

Resurvey of the S. Bdy. of T.9 S., R.18 W.
2nd. Stan. Par. S.

Chains	
20.00	Unimproved road, bears SW. to Bighorn Mine camp and NE. to Wellton road.
21.30	Enter low range of hills, near N. end.
31.60	Local mine road, bears N.25°W. and S.25°E.
35.30	Leave hills and enter flat desert.
40.18	Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with broken glass deposited at the base, for standard cor. of sec. 34 only, with brass cap mkd. $\begin{array}{r} S C \\ \frac{1}{4} S 34 \\ \hline 1937 \end{array}$ <p style="text-align: right;">raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.</p> <p>From cor., the head frame of the Bighorn Mine, bears S.79°04'E., 13.55 chs. dist. From head frame, a rock crusher bears SE. about 1 ch. dist. Mine is not being worked.</p>
80.36	Proportional distance, Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bed rock, and in a mound of stone to top, for standard cor. of secs. 33 and 34 only, with brass cap mkd. $\begin{array}{r} S C \\ T9S R18W \\ S 33 S 34 \\ \hline 1937 \end{array}$ <p style="text-align: right;">from which</p> <p>A palo verde, 6 ins. diam., bears N.19¾°E., 429 lks. dist., mkd. T 9 S R 18 W S 34 S C B T</p> <p>No other tree available.</p> <p>Land, nearly level, except 14 chs. of low hills. Soil, sandy, 2nd. rate and rocky, 3rd. rate. Timber, a few palo verde and ironwood. Undergrowth, greasewood, sage and ocotillo.</p> <hr/> <p>S.89°40'W., along the S. bdy. of sec. 33. Over nearly level desert land.</p>
7.00	Unimproved road, bears N. and S.
25.20	Coyote Wash, 150 lks. wide, 3 ft. deep, course N.10°W.
40.18	Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with broken glass deposited at the base, for standard ¼ sec. cor. of sec. 33 only, with brass cap mkd. $\begin{array}{r} S C \\ \frac{1}{4} S 33 \\ \hline 1937 \end{array}$ <p>No trees or stones near.</p>

Resurvey of the S. Bdy. of T.9 S., R.18 W.
2nd. Stan. Par. S.

4217

Chains

72.20 Unimproved road, bears N. to Wellton, and S.

80.36 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bed rock, and in a mound of stone to top, for standard cor. of secs. 32 and 33 only, with brass cap mkd.

S C
T9S R18W
S 32 | S 33

1937

Land, nearly level.
Soil, sandy, 2nd. rate.
Timber, a few palo verde and ironwood.
Undergrowth, greasewood and sage.

S.89°40'W., along the S. bdy. of sec. 32.

Over rolling land.

5.00 Land more level.

29.90 Wash, 25 lks. wide, 2 ft. deep, course N.

34.90 Unimproved local road, bears N. and S.

40.18 Proportional distance,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 32 only, with brass cap mkd.

S C
 $\frac{1}{4}$ S 32

1937

from which

An ironwood, 6 ins. diam., bears N.34 $\frac{1}{2}$ °E., 158 lks. dist. mkd. $\frac{1}{4}$ S 32 S C B T

A palo verde, 6 ins. diam., bears N.78 $\frac{1}{2}$ °W., 461 lks. dist., mkd. $\frac{1}{4}$ S 32 S C B T

57.00 Dim road, bears N.10°W. and S.10°E.

65.00 Wash, 50 lks. wide, course N.; over rolling land.

80.36 Proportional distance,

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bed rock, and in a mound of stone, 4 ft. base to top of post, for standard cor. of secs. 31 and 32 only, with brass cap mkd.

S C
T9S R18W
S 31 | S 32

1937

from which

An ironwood, 6 ins. diam., bears N.75 $\frac{1}{2}$ °W., 84 lks. dist. mkd. T 9 S R 18 W S 31 S C B T

Land, level and rolling.
Soil, sandy and rocky, 2nd. and 3rd. rate.
Timber, a few palo verde and ironwood.
Undergrowth, greasewood and sage.

BOOK 4217

Resurvey of the S. Bdy. of T.9 S., R.18 W.
2nd. Stan. Par. S.

Chains S.89°40'W., along the S. bdy. of sec. 31.
Over rolling land.

17.90 Wash, 18 lks. wide, 6 ft. deep, course N.10°E.

40.18 Proportional distance,
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bed rock, and in a mound of stone, 2½ ft. base to top of post, for standard ¼ sec. cor. of sec. 31 only, with brass cap mkd.

S C
¼ S 31
1937

from which

An ironwood, 6 ins. diam., bears N.12½°E., 217 lks. dist., mkd. ¼ S 31 S C B T

An ironwood, 6 ins. diam., bears N.19°W., 79 lks. dist. mkd. ¼ S 31 S C B T

52.60 Wash, 10 lks. wide, 10 ft. deep, course N.25°E.

60.80 Wash, 1 ch. wide, 7 ft. deep, course N.25°E.; asc. NE. slope.

63.70 Spur, slopes N.25°E.; desc. W. slope.

79.88 The standard cor. of Ts. 9 S., Rs. 18 and 19 W., which is an iron post, 3 ins. diam., 8 ins. above ground, firmly set, marked and witnessed as described in the official record.

Land, rolling.
Soil, rocky, 3rd. and 4th. rate.
Timber, a few palo verde and ironwood.
Undergrowth, greasewood and sage.

For final test of the solar attachment, see the field notes of T.10 S., R.16 W., surveyed under this group.

2000 211

4-680
(Revised May 1934)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
I. B. Williams	Principal Assistant
John Crofford, Jr.	Chainman
Robert G. Burns	Moundman
Gilbert M. Allred	Flagman
Robert G. Burns	Axman
John Crofford	" "
Paul R. Ernst	"
Valdoran Burrow	"

106
16

BOOK 4217

CERTIFICATE OF SURVEYOR

I, Horace M. Muscott, Public Land Surveyor, General Land Office, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 20th day of November, 1936, received from the district cadastral engineer for Arizona, with assignment instructions dated February 23, 1937, I have ^{re} surveyed the South boundary of Township 9 South, Ranges 16, 17 and 18 West,

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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes. Glendale, California, Mar. 21, 1939
Horace M. Muscott
Public Land Surveyor
General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,
Denver, Colorado, AUG 26 1940, 19

The foregoing field notes of the ^{re} survey of the South boundary of Township 9 South, Ranges 16, 17 and 18 West, of the Gila and Salt River Meridian, in the State of California,

executed by Horace M. Muscott, Public Land Surveyor, General Land Office, under special instructions dated November 20, 1936, and assignment instructions dated February 23, 1937, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Charles A. Johnson
Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes on file in the public survey office.~~

~~Supervisor of Surveys~~