

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the Dependent Resurvey of a Portion of

The Boundaries of the San Carlos Indian Reservation and

The Camp Thomas (abandoned) Military Reservation;

The Range Line between Ranges 22 and 23 East in Township 4 South;

The Subdivisional Lines of Township 4 South, Range 22 East

and

The Survey Completing the Boundaries of Sections 11 and 12,

Township 4 South, Range 22 East.

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Ty White, Cadastral Engineer

Under special instructions dated August 17, 1951, which provided
for the surveys included under Group No. 278, approved August 30, 1951
and assignment instructions dated October 22, 1951

Survey commenced November 5, 1951

Survey completed November 14, 1951

4397

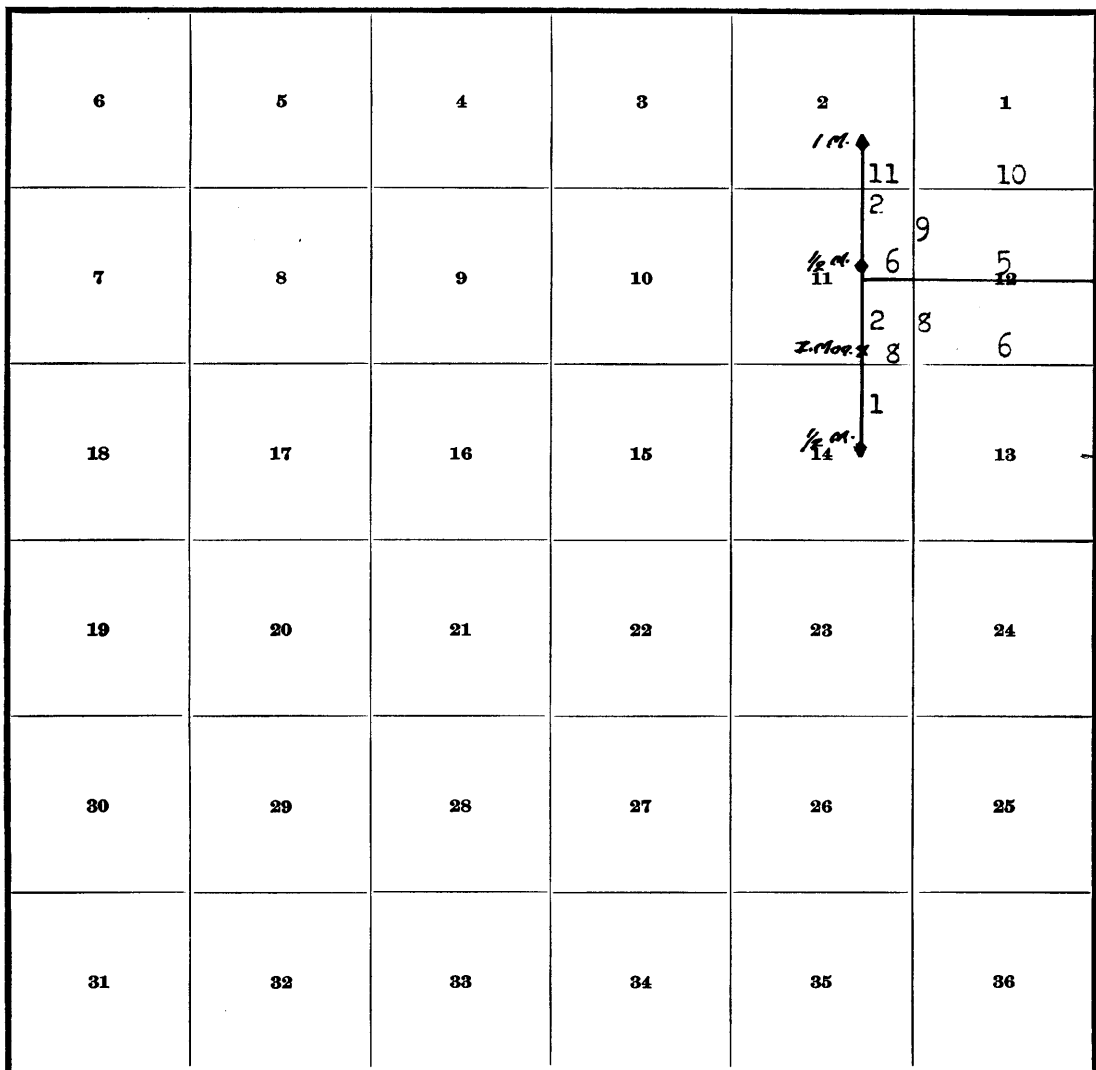
4397

1A

BOOK 4397

INDEX DIAGRAM

Township 4 South, Range 22 East



Chains

This survey was executed with a light mountain solar transit made by W. and L. E. Gurley, serial No. 461263, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition and having been placed in satisfactory adjustment prior to the beginning of the survey, was tested and found free from appreciable error.

The direction of all lines were determined by the method of deflection angles referred to azimuths of the U. S. Coast and Geodetic Survey station "GERON" in sec. 14, T. 4 S., R. 22 E.

The measurements were made with a narrow steel tape, 5 chains in length, graduated to tenths of a link for the first 10 links, every link for the remainder of the first 100 links and the balance at intervals of 10 links. The tape was tested by comparison with a standard 1 chain steel tape and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The geographic position of the $\frac{1}{2}$ mile corner on the E. bdy. of the San Carlos Indian Reservation, south of the Gila River as computed from tie to the U. S. Coast and Geodetic Survey station "Geron" in sec. 14, T. 4 S., R. 22 E. is as follows: latitude, $33^{\circ} 05' 09.42''$ N., longitude $110^{\circ} 03' 21.26''$ W.

The mean magnetic declination is $14\frac{1}{2}^{\circ}$ E.

Preliminary to the resurvey the lines of the original survey are retraced and diligent search is made for all corners and other calls of the record. Identified corners are monumented in their original positions, lost corners are reestablished and remonumented at proportionate positions based upon the original record. The retrace-ment data are thoroughly verified and only the true line field notes are given herein.

The boundary of the San Carlos Indian Reservation was originally surveyed by P. Riecker in 1883 and a portion of it was resurveyed by H. L. Baldwin in 1915 and D. R. Averill in 1933.

The north boundary of the Camp Thomas Military Reservation (abandoned) was originally surveyed by L. D. Chillson in 1894 and a portion of it resurveyed by H. L. Baldwin in 1915.

The boundary between Ranges 22 and 23 East, in Township 4 South was originally surveyed by T. F. White in 1875, a portion of this boundary was resurveyed and the subdivisional lines of Township 4 South, Range 22 East surveyed by L. D. Chillson in 1894.

Resurvey of the San Carlos Indian Reservation Boundary

Reestablishment of a survey executed by P. Riecker; in 1883 and re-surveyed in part by H. L. Baldwin in 1915 and D. R. Averill in 1933.

From the $\frac{1}{2}$ Mile Cor. south of the Gila River, on the boundary of the San Carlos Indian Reservation, which is monumented with an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record, from which

The U. S. Coast and Geodetic Survey station "GERON", bears N. $18^{\circ} 17'$ E., 1.016 chs. dist. and is monumented with a brass tablet, seated in a concrete block, $8 \times 8 \times 4$ ins. above ground, mkd. GERON 1945.

N. $0^{\circ} 14'$ E., along the boundary of the San Carlos Indian Reservation.

Over rolling land, through scattering timber.

Descend gradual N. slope.

2.80 Fence, bears N. 70° W. and S. 70° E.

3.80 U. S. Highway No. 70, bears N. 70° W. and S. 70° E.

7.10 Fence, bears N. 70° W. and S. 70° E.

Resurvey of the San Carlos Indian Reservation Boundary

Chains 12.20	Old road, bears E. and W.
21.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for Witness Point monument, with brass cap mkd.
	W P S C I R S 14 1951
	from which
	A mesquite, 10 ins. diam., bears N. $58\frac{1}{2}^{\circ}$ E., 77 links dist., mkd. W P S 14 B T.
	A mesquite, 9 ins. diam., bears S. $14\text{-}3/4^{\circ}$ E., 239 links dist., mkd. W P S 14 B T.
23.40	A cut bank, 10 ft. high, bears E. and W.; enter overflow land and dense salt cedar brush.
40.02	Point for the Initial Monument; at proportionate distance. As this land is subject to heavy overflow from the river in flood stage, it is impracticable to monument the corner.
53.50	Left bank of the Gila River, bears NW. and SE.
55.90	Center of stream, 30 lks. wide, 3 ft. deep, course northwesterly.
56.60	Right bank of Gila River, bears NW. and SE.
56.90	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for Witness Point monument, with brass cap mkd.
	S C I R S 11 W P 1951
	This corner is located on top of a high dyke which bears E. and W.
	Thence along the west side of a cultivated field.
73.23	The NW. closing corner and meander corner of the Camp Thomas Military Reservation. (abandoned) which is monumented with an iron post, 3 ins. diam., buried 1 ft. below the surface of the ground, marked and witnessed as described in the official record.
	Thence, N. $0^{\circ} 07'$ W., continuing the same measurement, along the San Carlos Indian Reservation boundary.
74.00	A cut bank, 10 ft. high, bears NE. and SW.; leave bottom land, enter dense mesquite thicket.
80.04	The $\frac{1}{2}$ Mile Cor., which is monumented with an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record.
	Thence, N. $0^{\circ} 02'$ E., along the San Carlos Indian Reservation boundary.
	Over gently rolling land, through scattering timber and undergrowth. Along reservation boundary fence. Ascend gradual SE. slope.
40.01	The 1 Mile Cor. as determined from the original bearing tree.
	At the corner point
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Resurvey of the San Carlos Indian Reservation Boundary

4397

Chains

1 M
 S C I R | T 4 S
 | R 22 E.
 | S 2
 1951

from which

The original bearing tree

A mesquite, 8 ins. diam., bears S. 19° W., 192 lks. dist.,
mkd. 1 M W M I R B T.

And a new bearing tree

A mesquite, 8 ins. diam., bears N. 55° E., 182 lks. dist.,
mkd. 1 M S C I R B T.

Land, bottom land, nearly level; remainder rolling.

Soil, bottom land, sandy loam; remainder sandy and gravelly.

Timber, mesquite and scattering cottonwood; undergrowth, salt cedar
and arrow weed.

Resurvey of a portion of boundary between Rs. 22 and 23 E. in T. 4 S.

Reestablishment of a survey executed by T. F. White in 1875,
a portion of it resurveyed by L. D. Chillson in 1894.

From the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, Ts. 4 S., Rs. 22 and 23 E.
which is monumented with a mesquite post, 4 ins. diam, 3 ft. long,
firmly set in a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, mkd. $\frac{1}{4}$ S.

At the corner point

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground,
with brass cap mkd.

$\frac{1}{4}$
 S 13 | S 18
 1951

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

Reset the mesquite post, inverted and alongside the iron post.

N. 0° 05' W., bet. secs. 13 and 18.

Over rolling land, through scattering timber.

Descend 29 ft. over NW. slope.

5.75 Old road, bears E. and W.

8.00 Enter bottom land, bears E. and W.; thence along a graded road,
between cultivated fields.39.97 Point for the corner of sections 7, 12, 13 and 18, at proportionate
distance; there is no remaining evidence of the original corner.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground,
with brass cap mkd.

T 4 S
 R 22 E | R 23 E
 S 12 | S 7
 S 13 | S 18
 1951

Resurvey of a portion of Boundary between Rs. 22 and 23 E. in T. 4 S.

Chains	
	<p>This corner is located at the foot of the east shoulder of the graded road.</p> <p>Land, S. 8 chs., rolling; remainder nearly level bottom land.</p> <p>Soil, S. 8 chs., gravelly and rocky; remainder, sandy loam.</p> <p>Timber, mesquite.</p>
	N. 0° 05' W., bet. secs. 7 and 12.
	Over nearly level bottom land, through scattering timber and undergrowth.
4.30	Enter dense undergrowth, bears E. and W.
6.30	Left bank of channel of the Gila River, bears N. 70° E. and S. 70° W.
6.95	Center of stream, 30 ft. wide, 2 ft. deep, course westerly.
8.20	Right bank of channel of Gila River, bears N. 70° E. and S. 70° W.; thence across overflow land.
12.40	Cut bank, 8 ft. high, bears NE. and SW.; thence across bottom land.
13.30	Fence, bears E. and W.; enter cultivated field.
22.20	Fence, bears N. 10° W. and S. 10° E.; leave cultivated field, enter a lane.
25.60	Road, bears N. 10° W. and S. 10° E.
29.00	Fence, bears N. 10° W. and S. 10° E.; leave lane.
33.00	Ascend 34 ft. over SE. slope.
35.00	Low spur, slopes SW.; desc. 23 ft. over NW. slope.
39.97	<p>The $\frac{1}{4}$ sec. cor. of secs. 7 and 12 which is monumented with a mound of stone, 3 ft. base, 1 ft. high, with a cedar post, 4 ins. diam., 21 ins. long, lying on top of the mound, marked S, other marks not legible.</p> <p>At the corner point, in center of mound</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$ S 12 S 7 1951 </div> <p>from which</p> <p>The original bearing tree</p> <p>A mesquite, 12 ins. diam., bears S. 61$\frac{1}{2}$° W., 195 lks. dist., mkd. $\frac{1}{4}$ S.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Reset the cedar post, inverted alongside the iron post.</p> <p>This corner is on the N. bdy. of the Camp Thomas Military Reservation. (abandoned)</p>
	N. 0° 03' W., beginning new measurement.
0.40	Ravine, course SW.; asc. 40 ft. over SE. slope.

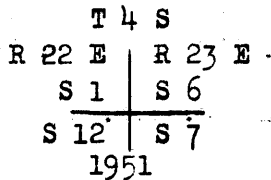
Resurvey of a portion of Boundary between Rs. 22 and 23 E. in T. 4 S.

Chains

- 6.47 From this point a porphyry stone, 12x12x6 ins., firmly set in the ground, plainly marked $\frac{1}{4}$ S, bears W. 42 lks. dist. This corner is located at a fence corner, from which fences extend E., W. and S.
- 8.00 Spur, slopes SW.; desc. 20 ft. over NW. slope.
- 12.65 Wash, 10 lks. wide, 1 ft. deep, course SW.
- 17.00 Begin ascent of 140 ft. over SE. slope.
- 31.70 Spur, slopes SW. from N.; desc. 15 ft. along top of spur.
- 39.76 The cor. of secs. 1, 6, 7 and 12, which is monumented with a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high. The original wooden post was not found.

At the corner point, in center of mound

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.



from which

The remains of the original bearing trees

A mesquite stump, bears N. 58° E., 163 lks. dist., the blaze on fallen tree so badly decayed marks could not be read.
(Record bearing and dist. N. $57-3/4^{\circ}$ E., 162 lks.)

A standing dead mesquite, 8 ins. diam., bears N. $82-3/4^{\circ}$ W., 168 lks. dist., with blaze so badly decayed marks could not be read. (Record bearing and dist. N. 82° W., 167 lks.)

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

Land, hilly, in N. $\frac{1}{2}$; rolling except nearly level bottom land in S. $\frac{1}{2}$.
Soil, rocky and gravelly, in N. $\frac{1}{2}$; Rolling land, gravelly and bottom land, sandy loam in S. $\frac{1}{2}$.

Timber, mesquite in N. $\frac{1}{2}$ with very little undergrowth; mesquite and cottonwood with undergrowth of salt cedar in S. $\frac{1}{2}$.

Resurvey of the N. Bdy. of Camp Thomas Military Reservation (abandoned), in T. 4 S., R. 22 E.

Reestablishment of a survey executed by L. D. Chillson, in 1894 and resurveyed by H. L. Baldwin, in 1915.

From the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, Ts. 4 S., Rs. 22 and 23 E.

S. $89^{\circ} 54'$ W., along the N. Bdy. of Camp Thomas Military Reservation (abandoned), through the center of sec. 12.

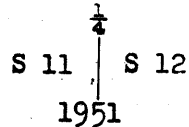
Over hilly land, through scattering timber.

- 0.50 Fence, bears N. and S.
- 0.60 Ravine, course SW.; asc. 29 ft. over SE. slope.
- 5.50 Spur, slopes SW.; desc. 20 ft. over W. slope.

Resurvey of the N. Bdy. of Camp Thomas Military Reservation (abandoned),
in T. 4 S., R. 22 E.

Chains	
7.60	Left bank of wash, bears NE. and SW., thence across gravelly wash bottom; leave hilly land, enter nearly level land.
18.90	Left bank of wash, bears NW. and SE.
25.50	Fence, bears N. and S.
27.70	Wash, 30 lks. wide, drains S. for 50 lks. to earth reservoir.
35.20	Road, bears NW. and SE.
37.90	Fence, bears NW. and SE.
39.91	SE. corner of barn, bears N. 10° 40' W., approx. 5. chs. dist.
40.40	Corral fence, bears N. and S.
45.90	Corral fence, bears N. and S.; a well with wind mill, bears N., approx. 1.50 chs. dist.
46.80	Irrigation ditch, course NW.; enter cultivated land, bears NW. and SE.
57.40	Fence, bears N. and S.; continue across cultivated land.
78.80	Fence, bears N. 15° E. and S. 15° W.; continue across cultivated land.
79.81	Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 12, at proportionate distance.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. below the surface of the ground, with brass cap mkd.



Set a wooden post, 3 ft. long, 3 ins. square, 3 ft. in the ground alongside the iron post, marking its position in the township with a Grazing Service metal township diagram.

Land, E. 7.60 chs., hilly.; remainder, nearly level.
Soil, E. 7.60 chs., gravelly; remainder, sandy loam.
Timber, E. $\frac{1}{2}$, scattering mesquite; undergrowth, none; most of the W. $\frac{1}{2}$, cultivated land.

S. 89° 54' W., along the N. Bdy. of the Camp Thomas Military Reservation (abandoned), through the center of sec. 11.

Over level cultivated land.

18.80	The NW. closing corner and meander corner of the Camp Thomas Military Reservation (abandoned), on the boundary of the San Carlos Indian Reservation.
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Resurvey of Subdivisional Lines in T. 4 S., R. 22 E.

Reestablishment of a survey executed
by L. D. Chillson, in 1894.

From the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the Tp.

S. 89° 55' W., bet. secs. 12 and 13.

Over nearly level bottom land, through scattering timber and dense undergrowth.

Resurvey of Subdivisional Lines in T. 4 S., R. 22 E.

Chains
 19.00 Enter dense growth of salt cedar brush, bears NE. and SW.
 25.00 Left bank of the Gila River, bears NE. and SW.
 26.30 Center of stream, 80 lks. wide, 1. ft. deep, course SW.
 28.80 Right bank of Gila River, bears NE. and SW.
 39.87 Point for the $\frac{1}{4}$ sec. cor. of secs. 12 and 13, at proportionate distance.
 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.

S 12
$\frac{1}{4}$
S 13
1951

from which

A cottonwood, 4 ins. diam., bears N. $83\frac{1}{2}^{\circ}$ W., 241 lks. dist., mkd. B T.
 A cottonwood, 3 ins. diam., bears S. $71\frac{1}{2}^{\circ}$ W., 160 lks. dist., mkd. B T.

Continue through dense undergrowth of salt cedar brush.

75.00 Right bank of Gila River, bears NW. and SE.
 76.25 Center of stream, 60 lks. wide, 2 ft. deep, course NW.
 77.50 Left bank of Gila River, bears NW. and SE.
 79.74 Point for the cor. of secs. 11, 12, 13 and 14, at proportionate distance.
 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T 4 S. R 22 E
S 11 S 12
S 14 S 13
1951

from which

A salt cedar, 3 ins. diam., bears N. 21° E., 20 lks. dist., mkd. B T.
 A salt cedar, 3 ins. diam., bears S. $58\frac{1}{2}^{\circ}$ E., 21 lks. dist., mkd. B T.
 A salt cedar, 3 ins. diam., bears S. $31\frac{1}{2}^{\circ}$ W., 42 lks. dist., mkd. B T.
 A salt cedar, 3 ins. diam., bears N. 49° W., 37 lks. dist., mkd. B T.
 A Witness Point, bears S. $0^{\circ}.07'$ W., 16.86 chs. dist., and is monumented with an iron post, 3 ft. long, 1 in. diam., set 28 ins. in the ground, with brass cap mkd.

W P
S 14 S 13
1951

from this witness point

Resurvey of Subdivisional Lines in T. 4 S., R. 22 E.

Chains

A mesquite, 6 ins. diam., bears S. 68-3/4° E., 67 lks. dist., mkd. W P S 13 B T.

A mesquite, 6 ins. diam., bears N. 65° W., 10 lks. dist., mkd. W P S 14 B T.

Land, nearly level.

Soil, sandy loam.

Timber, cottonwood and mesquite; undergrowth, salt cedar.

From the cor. of secs. 11, 12, 13 and 14, the cor. of secs. 13, 14, 23 and 24, bears S. 0° 07' W., 79.92 chs. dist. and is monumented with a granite stone, 24x16x8 ins., firmly set in a mound of stone, mkd. 3 grooves on S. and 1 groove on E. faces.

From the cor. of secs. 11, 12, 13 and 14.

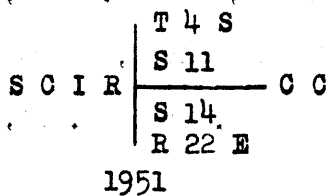
WEST, bet. secs. 11 and 14.

Over nearly level land, through scattering timber and dense undergrowth.

19.12 Intersect the boundary of the San Carlos Indian Reservation.

Point for the closing corner of secs. 11 and 14.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.



from which

A salt cedar, 3 ins. diam., bears N. 50 1/2° E., 46 lks. dist., mkd. C C B T.

A salt cedar, 3 ins. diam., bears S. 12 1/2° E., 148 lks. dist., mkd. C C B T.

From point of intersection a witness point, bears S. 0° 14' W., 12.25 chs. dist.

From the same point a witness point, bears N. 0° 14' E., 23.65 chs. dist.

Land, nearly level.

Soil, sandy loam.

Timber, cotton wood; undergrowth, salt cedar.

From the cor. of secs. 11, 12, 13 and 14.

N. 0° 12' W., bet. secs. 11 and 12.

Over nearly level land, through scattering timber and dense undergrowth.

1.75 Left bank of the Gila River, bears N. 70° W. and S. 70° E.

3.50 Center of stream, 80 lks. wide, 2 ft. deep, course N. 70° W.

4.10 Right bank of Gila River, bears N. 70° W. and S. 70° E.

Resurvey of Subdivisional Lines in T. 4 S., R. 22 E.

- Chains
8.00 Leave dense undergrowth, bears E. and W.
- 8.18 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, for Witness Point monument, with brass cap mkd.
- S 11 | S 12
W P
1951
- This witness point is located on top of a dyke, 20 lks. wide, 10 ft. high, which bears E. and W.
- 8.50 Fence, bears E. and W.; enter cultivated land.
- 16.30 Fence, bears E. and W., continue across cultivated land.
- 22.40 Fence, bears N. 15° E. and S. 15° W.; enter alfalfa field.
- 39.98 The $\frac{1}{4}$ sec. cor. of secs. 11 and 12.

Land, nearly level.
Soil, sandy loam.
Timber, none; undergrowth, South 8 chs. salt cedar; remainder, none.

Survey of Subdivisional Lines in T. 4 S., R. 22 E.

- From the $\frac{1}{4}$ sec. cor. of secs. 11 and 12.
- N. $0^\circ 04'$ W., bet. secs. 11 and 12.
- Over level land, across alfalfa field.
- 8.10 Irrigation ditch, 10 lks. wide, 2 ft. deep, course W.;
- 8.40 Road, bear E. and W.; leave bottom land, enter rolling land, bears E. and W.
- 9.00 Enter scattering mesquite timber, bears E. and W.
- 10.25 Fence, bears E. and W.
- 20.95 Road, bears N. 30° W. and S. 30° E.
- 23.30 Left bank of a wash channel, 50 lks. wide; thence along bottom of wash, course SW. from N.
- 38.00 Left bank of wash, bears S. and NW.
- 40.00 Point for the cor. of secs. 1, 2, 11 and 12.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T 4 S | R 22 E
S 2 | S 1
S 11 | S 12
1951

from which

A mesquite, 4 ins. diam., bears N. $45\frac{1}{2}^\circ$ E., 215 lks. dist., mkd. B T.

A mesquite, 5 ins. diam., bears S. 42° W., 58 lks. dist., mkd. B T.

Survey of Subdivisional Lines in T. 4 S., R. 22 E.

Chains

A mesquite, 6 ins. diam., bears N. $28-3/4^{\circ}$ W., 187 lks. dist., mkd. S 2 B T.

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

Land, S. 8 chs. level; remainder, rolling.

Soil, S. 8 chs., sandy loam; remainder gravelly loam.

Timber, S. 8 chs., none; remainder, mesquite and catclaw; undergrowth, none.

From the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp.

N. $89^{\circ} 55'$ W., bet. secs. 1 and 12.

Over broken and hilly land, through scattering timber.

Descend 60 ft. over W. slope.

- 3.40 Ravine, course SW.; asc. 40 ft. over E. slope.
- 4.90 Spur, slopes S.; desc. 33 ft. over W. slope.
- 8.40 Ravine, course S.; asc. 33 ft. over E. slope.
- 10.00 Spur, slopes S.; desc. 18 ft. over W. slope.
- 12.00 Wash, 40 lks. wide, 1 ft. deep, course SW.
- 13.90 Foot of ascent, bears NW. and SE.; asc. 85 ft. over NE. slope.
- 20.00 Spur, slopes SE.; desc. 131 ft. over SW. slope.
- 27.80 Ravine, course SW.; continue descent.
- 35.30 Wash, 20 lks. wide, 2 ft. deep, course S.; asc. 22 ft. over E. slope.
- 39.70 Fence, bears N. and S.
- 39.89 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap mkd.
- S 1

S 12
1951
- 41.80 Ravine, course SW.; asc. 29 ft. over SE. slope.
- 45.80 Dim road, bears N. and S.
- 49.60 Spur, slopes S.; desc. 54 ft. over W. slope.
- 53.00 Ravine, course S.; asc. 41 ft. over E. slope.
- 56.30 Spur, slopes S.; desc. 52 ft. over W. slope.
- 61.30 Wash, 15 lks. wide, course SW.
- 65.10 Wash, 15 lks. wide, course S.
- 69.00 Wash, 10 lks. wide, course SE.
- 69.40 Old road, bears NW. and SE.
- 79.78 The cor. of secs. 1, 2, 11 and 12.

Survey of Subdivisional Lines in T. 4 S., R. 22 E.

Chains

Land, hilly and broken.
Soil, rocky and gravelly.
Timber, mesquite; undergrowth, none.

WEST, bet. secs. 2 and 11.

Over hilly land, through scattering timber.

- 0.30 Road, bears N. and S. in bottom of a wash, 30 lks. wide, course S.; asc. 33 ft. over E. slope.
- 6.40 Dim road, bears NE. and SW.; top of broad spur, slopes S.; desc. gradually over W. slope of same.
- 13.30 Descend 20 ft. from top of broad spur over W. slope.
- 18.75 Intersect the boundary of the San Carlos Indian Reservation.
- Point for the closing corner of secs. 2 and 11.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

	T 4 S	
	S 2	
S C I R	—	C C
	S 11	
	R 22 E	
	1951	

from which

A mesquite, 10 ins. diam., bears N. $84-3/4^\circ$ E., 53 lks. dist., mkd. T 4 S R 22 E S 2 C C B T.

A catclaw, 7 ins. diam., bears S. 52° E., 115 lks. dist., mkd. C C B T.

From point of intersection the $\frac{1}{2}$ Mile Cor. on the boundary of the San Carlos Indian Reservation, bears S. $0^\circ 02'$ W., 33.20 chs. dist.

From the same point, the 1 Mile Cor. on the Boundary of the San Carlos Indian Reservation, bears N. $0^\circ 02'$ E., 6.81 chs. dist.

Land, hilly.
Soil, gravelly and rocky.
Timber, mesquite and catclaw.; undergrowth, none.

4-680
(Feb., 1950)

BOOK 4397

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert D. Stevens	Cartographic Survey Aid
Jesse A. Livesay	" " "
Martin G. Roeben	Surveying and Cartographic Aid
William H. Derendor	" " " "
Carl P. Lyons	" " " "

13

CERTIFICATE OF CADASTRAL ENGINEER

I, Ty White, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 17th day of August, 1951, I have surveyed executed the Dependent Resurvey of a Portion of the Boundaries of the San Carlos Indian Reservation and the Camp Thomas (abandoned) Military Reservation; the Range Line between Ranges 22 and 23 East in Township 4 South; the Subdivisional Lines of Township 4 South, Range 22 East and the Survey Completing the Boundaries of Sections 11 and 12, Township 4 South, Range 22 East, of the Gila & 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.

Albuquerque, New Mexico
May 23, 1952

Ty White
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 22 1952, 19

The foregoing field notes of the survey of Dependent Resurvey of a Portion of the Boundaries of the San Carlos Indian Reservation and the Camp Thomas (abandoned) Military Reservation; the Range Line between Ranges 22 and 23 East in Township 4 South; the Subdivisional Lines of Township 4 South, Range 22 East and the Survey Completing the Boundaries of Sections 11 and 12, Township 4 South, Range 22 East executed by Ty White

having been critically examined and found correct, are hereby approved.

Donald B. Clement
Acting Chief, Division of Cadastral Engineering.

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.

Chief, Division of Cadastral Engineering.