

FIELD NOTES

Of the Dependent Resurvey and Extension of Lines Subdividing Omitted
 Land Bordering Gila River, and the Subdivision of Section,
 Township 4 South, Range 7 East.

3958

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Francis E. Joy, U.S. Cadastral Engineer

In the capacity of U. S. Surveyor, under Special Instructions dated September 28 19 32
 issued by the United States Surveyor General to govern surveys included in Group
 No. 175, which were approved by the Commissioner of the General Land
 Office, October 13, 19 32, and Assignment Instructions dated September 28 19 32.

3958

Survey commenced November 7, 19 32.

Survey completed November 12, 19 32.

INDEX DIAGRAM.

Township -----, *Range* -----

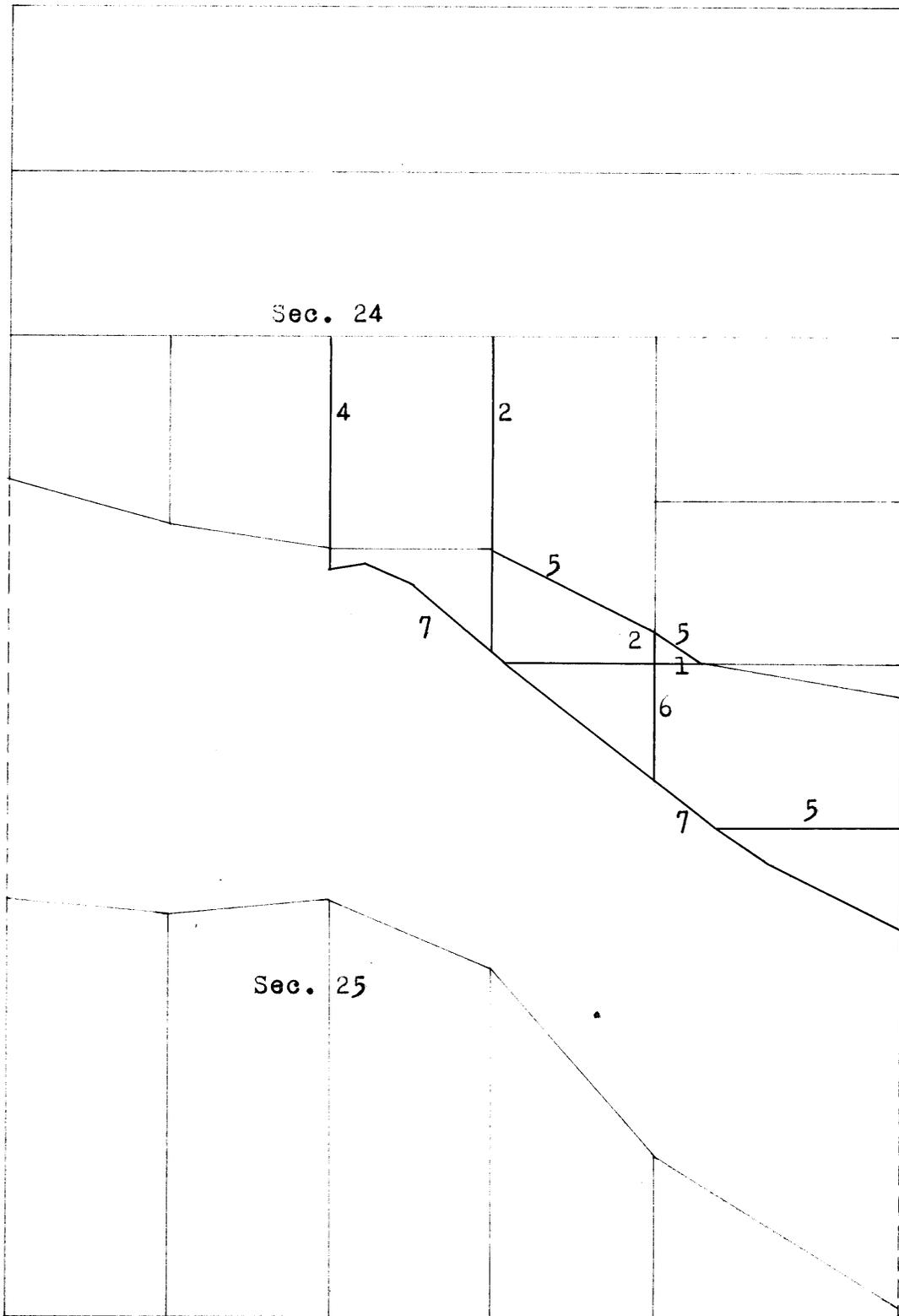
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

1A

INDEX DIAGRAM

Township 4 South, Range 7 East.

BOOK 3958



Black indicates lines surveyed or resurveyed under this group.

Orange indicates previously surveyed lines not retraced or resurveyed under this group.

89
18

Chains.

The survey of a portion of the omitted lands along the Gila River in T. 4 S., R. 7 E., the necessary retracements and resurveys of surveys executed by Guy P. Harrington, U. S. Surveyor, in 1911, were executed with a light mountain transit made by Buff & Buff, Serial No. 16723, made in accordance with the standard specifications of the General Land Office. For complete description of instrumental equipment see the field notes of T. 3 S., R. 4 E. of this group.

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 September 28, 1932.

For a test of the solar attachment on a meridian determined by observation on Polaris, see the preliminary test made October 4, 1932, and recorded in the notes for T. 3 S., R. 6 E. of this group.

I commence at the original meander cor. bet. secs. 24 and 25, which is an iron post, 1 in. diam., 10 ins. above ground, firmly set, and marked as described in the official record.

Thence

West, bet. secs. 24 and 25.

Over level land, through timber and undergrowth.

1.10 Descend sloping bank, 5 ft. high, bears NW. and SE. Enter bottom land.

1.30 Fence, bears NW. and SE.

5.42 At a point S. 0° 03' W. of the meander cor. for original lots 16 and 17, sec. 24, hereinafter described

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for cor. of lots 43 and 44 of sec. 24, and cor. of lots 32 and 33 of sec. 25, with brass cap mkd.

S24
43 44
33 32
S25

1932

from which

A cottonwood, 14 ins. diam., bears N. 70° 45' E., 100 lks. dist., mkd. L44 S24 BT

A cottonwood, 14 ins. diam., bears S. 45° 45' W., 34 lks. dist., mkd. L33 S25 BT

15.20 Descend sloping bank, 2 ft. high, bears SE. and W. Enter dense mesquite and arrowweed, bears NW. and SE.

16.00 Bank, bears NW. and E.

24.00 Right bank of the Gila River, vertical, 3 ft. high, bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for meander cor. of secs. 24 and 25, with brass cap mkd.

Survey, Resurvey and Subdivision-of-section Lines,
T. 4 S., R. 7 E

Chains.

T4S
S24
MC ——— S25
R7E

1932

from which

A mesquite, 6 ins. diam., bears S. 68° 45' E., 20 lks.
dist., mkd. T4S R7E S25 MC BT

A mesquite, 6 ins. diam., bears N. 30° 00' W., 55 lks.
dist., mkd. T4S R7E S24 MC BT

Land, level.

Soil, silt loam; 1st rate.

Timber, cottonwood and mesquite; undergrowth, same with arrowweed and tamerisk.

Thence from the meander cor. for original lots 16 and 17, sec. 24, which is an iron post, 1 in. diam., broken off 12 ins. above the bottom of post, and the brass cap marked as described in the official record. North and alongside

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original brass cap deposited at the base, for special meander cor., with brass cap mkd.

S 24
SMC
1932

S. 0° 03' W., bet. lots 43 and 44.

Over level land.

- .35 Descend steep bank, 6 ft. high, bears NW. and SE. Enter bottom land and cottonwood timber.
- .55 Fence, bears NW. and SE.
- 3.64 The cor. of lots 43 and 44 of sec. 24, and the cor. of lots 32 and 33 of sec. 25.

The point for the center E. 1|16 sec. cor., the cor. of original lots 5, 6, 11 and 12, of sec. 24 is determined from the old bearing tree. At said point

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for center E. 1|16 sec. cor., with brass cap mkd.

E 1
C ——— 16 ——— C
S24

1932

from which

Old bearing tree-

A mesquite, 12 ins. diam., bears S. 4° 45' W., 65 lks.
dist., mkd. 1|16 S24 BT

New bearing tree-

A mesquite, 10 ins. diam., bears S. 13° 00' E., 80 lks.

Survey, Resurvey and Subdivision-of-section Lines,
T. 4 S., R. 7 E.

BOOK 3958

Chains.

dist., mkd. CE 1|16 S24 BT

Thence

S. 0° 03' W., on the E. 1|16 sec. line bet. original lots 11 and 12, and lots 15 and 16.

Over level land, through dense mesquite.

20.00

Record distance for SE. 1|16 sec. cor. and cor. of original lots 11, 12, 15 and 16. Original post, 3 ft. long, 1 in. diam., lying loose on the ground about 30 lks. W. of cor. point, marked as described in the official record. At point for cor.

Set same iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for SE. 1|16 sec. cor., with the brass cap additionally marked to read as follows:

SE 1|16 S24

11

1932

from which

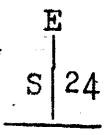
A mesquite, 5 ins. diam., bears S. 62° 00' W., 162 lks. dist., mkd. SE 1|16 S24 BT

Leave mesquite, bears NE. and SW.

26.20

Record distance for original meander cor. Post has been pulled, lying nearby, with brass cap marked as described in the official record.

Reset same iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for special meander cor., with brass cap additionally marked to read as follows:



1932

from which

A cottonwood, 14 ins. diam., bears S. 23° 45' E., 135 lks. dist., S24 SMC BT

A cottonwood, 10 ins. diam., bears S. 32° 00' W., 90 lks. dist., mkd. S24 SMC BT

Thence with continuous alinement and measurement.

S. 0° 03' W., bet. lots 42 and 43.

Descend steep bank, 8 ft. high, bears E. and W. Thence over level bottom land, through cottonwood and mesquite.

30.20

Fence, bears E. and W.

33.20

Descend bank, 3 ft. high, bears NW. and SE.

38.60

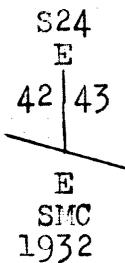
The right bank of the Gila River, 5 ft. high, vertical, bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for special meander cor., with brass cap

Survey, Resurvey and Subdivision-of-section Lines,
T. 4 S., R. 7 E.

Chains.

mkd.



from which

A mesquite, 5 ins. diam., bears N. $66^{\circ} 30'$ E., 26 lks. dist., mkd. BT

A mesquite, 5 ins. diam., bears N. $48^{\circ} 45'$ W., 79 lks. dist., mkd. BT

Thence from the center $\frac{1}{4}$ sec. cor. of sec. 24, which is an iron post, 1 in. diam., firmly set flush with the surface and brass cap missing. North and alongside

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

C $\frac{1}{4}$ S24

1932

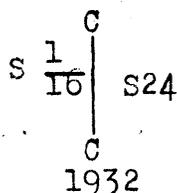
S. $0^{\circ} 03'$ W., on the N. and S. center line.

Over level land, through mesquite.

16.55 Waste ditch, 3 lks. wide, in wash, 30 lks. wide, 8 ft. deep, course W.

20.00 Record distance for center S. $1\frac{1}{16}$ sec. cor. The original iron, leaning against a stump nearby, with brass cap marked as described in the official record.

Reset iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for center S. $1\frac{1}{16}$ sec. cor., with brass cap additionally marked as follows:



1932

from which

A mesquite, 12 ins. diam., bears N. $50^{\circ} 30'$ E., 115 lks. dist., mkd. CS $1\frac{1}{16}$ S24 BT

A mesquite, 10 ins. diam., bears N. $35^{\circ} 45'$ W., 11 lks. dist., mkd. CS $1\frac{1}{16}$ S24 BT

Descend bank, 6 ft. high, thence over level bottom land through scattering cottonwood and arrowweed, bears NW. and SE.

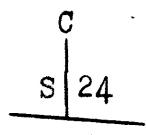
26.35 Record distance for original meander cor. No trace found.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for special meander cor., with brass cap mkd.

Survey, Resurvey and Subdivision-of-section Lines,
T. 4 S., R. 7 E.

BOOK 3952

Chains.



SMC
1932

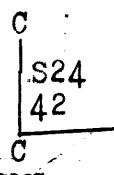
from which

A mesquite, 5 ins. diam., bears N. 81° 10' E., 195 lks. dist., mkd. BT

A cottonwood, 7 ins. diam., bears S. 71° 00' W., 48 lks. dist., mkd. S24 SMC BT

28.45 The right bank of the Gila River, vertical, 3 ft. high, nears N. 80° E. and S. 80° W.

Set an iron post, 3 ft. long, 2 in. diam., 30 ins. in the ground, for special meander cor. for lot 42, with brass cap mkd.



SMC
1932

from which

A cottonwood, 4 ins. diam., bears N. 9° 15' E., 18 lks. dist., mkd. BT

A cottonwood, 4 ins. diam., bears N. 70° 45' E., 53 lks. dist., mkd. BT

No 1 in. iron post available.

Thence from the special meander cor. on the E. 1/16 sec. line of sec. 24, I retrace the original meander line along the S. bdy. of original lots 16 and 17.

S. 63° 18' E., 22.45 chs. At 0.20 chs. descend bank, 8 ft. high, bears NW. and SE.
 4.10 chs. Fence, bears N. and S.
 21.20 chs. Fence, bears NW. and SE.
 21.70 chs. ascend sloping bank. To the special meander cor. for original lots 16 and 17.

S. 56° 15' E., 6.53 chs. To the original meander cor. for secs. 24 and 25.

Thence from the N. 1/16 sec. cor. on the E. bdy. of sec. 25, heretofore described.

West, on the N. 1/16 sec. line bet. lots 31 and 35 of sec. 25.

Over level land, through cottonwood and undergrowth.

.30 Road, bears NW. and SE.

6.50 Descend bank, 1 ft. high, bears NW. and SE.

10.40 Record width for lots 31 and 35 determined from width on N. bdy. of sec. 25.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in

Survey, Resurvey and Subdivision-of-section Lines,
T. 4 S., R. 7 E.

Chains.

the ground, for cor. of lots 31, 32, 34 and 35, with
brass cap mkd.

$$\begin{array}{c} S25 \\ 32|31 \\ \hline 34|35 \end{array}$$

1932

from which

A cottonwood, 10 ins. diam., bears N. 29° 30' E., 39
lks. dist., mkd. L31 S25 BT

A cottonwood, 8 ins. diam., bears S. 65° 30' W., 23
lks. dist., mkd. L34 S25 BT

Thence bet. lots 32 and 34.

22.90 The right bank of the Gila River, steep, 5 ft. high,
bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for special meander cor. for lots 32 and
34, with brass cap mkd.

$$\begin{array}{c} \diagdown 32 \\ SMC \quad \diagup 34 \quad S25 \end{array}$$

1932

from which

A cottonwood, 16 ins. diam., bears N. 32° 30' E., 91
lks. dist., mkd. L32 S25 SMC BT

A cottonwood, 12 ins. diam., bears S. 68° 30' E., 54
lks. dist., mkd. L34 S25 SMC BT

Thence from the cor. of lots 32, 33, 43 and 44 on the
line bet. secs. 24 and 25.

S. 0° 03' W., bet. lots 32 and 33 of sec. 25.

Over level bottom land, through cottonwood, mesquite and
arrowweed.

14.30 The right bank of the Gila River, sloping, 5 ft. high,
bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in
the ground, for special meander cor. for lots 32 and
33, with brass cap mkd.

$$\begin{array}{c} S25 \\ 33|32 \\ \hline \end{array}$$

SMC
1932

from which

A cottonwood, 12 ins. diam., bears East, 7 lks.
dist., mkd. L32 S25 SMC BT

A cottonwood, 12 ins. diam., bears N. 15° 00' W., 32
lks. dist., mkd. L33 S25 SMC BT

Meanders of right bank of the Gila River, up stream.

I commence at the special meander cor. for lot 42 on the N. and S. center line of sec. 24.

Thence with meanders in sec. 24.

Over level bottom land, through scattering cottonwood and undergrowth.

- N. 81° 20' E., 4.35 chs.
- S. 66° 30' E., 7.11 " . Bank, 2 ft. high.
- S. 48° 56' E., 12.09 " . To the special meander cor. on the E. 1/16 sec. line for lots 42 and 43.
- S. 49° 00' E., 1.99 " . To the meander cor. for secs. 24 and 25.

Land, level.
 Soil, silt loam; 1st rate.
 Timber, cottonwood and mesquite; undergrowth, tamerisk and arrowweed.

Thence in sec. 25.

Over level land, through timber and undergrowth.

- S. 52° 22' E., 23.43 chs. To special meander cor. for lots 32 and 33.
- S. 53° 05' E., 9.44 " . To special meander cor. for lots 32 and 34.
- S. 57° 08' E., 10.26 " . Bank 6 ft. high.
- S. 64° 10' E., 15.86 " . To the meander cor. for secs. 25 and 30 on E. bdy. of Tp., heretofore described.

Land, level.
 Soil, sandy silt loam; 1st rate.
 Timber, cottonwood; undergrowth, same with arrowweed.

For final test of the solar attachment on a meridian determined by observation on Polaris, see the final test in the field notes for T. 4 S., R. 6 E. of this group. November 12, 1932.

GENERAL DESCRIPTION.

That portion of secs. 24 and 25 covered by the foregoing extension survey is level land supporting a good growth of cottonwood, a few dense thickets of mesquite and arrowweed.

The soil is a light sandy silt loam, 1st rate.
 No indications of settlement were found on the bottom lands of this area.

T 45 R 7 E.

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BOOK 3958

4-680
(August, 1926)

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Herman Shafer	Chainman.
A. F. Gray	Chainman.
John B. McClung	Moundman.
John Wilhelm	Flagman.
William Shafer	Axman.

CERTIFICATE OF UNITED STATES SURVEYOR

Cadastral Engineer,

I, Francis E. Joy, 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 28th day of September, 1932, 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 these parcels or portions of resurveyed and extended lines subdividing omitted land bordering Gila River, and subdivided sections, Township 4 South, Range 7 East,

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey 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.

Phoenix, Arizona, January 10, 1933.

Francis E. Joy, U. S. Cadastral Engineer.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, MAR 23 1933, 19

The foregoing field notes of the dependent resurvey and extension of lines subdividing omitted land bordering Gila River, and subdivision of sections, Township 4 South, Range 7 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Francis E. Joy, U.S. Cadastral Engineer, under his special instructions dated September 28, 1932, 19, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Supervisor of Surveys.

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

U. S. Supervisor of Surveys