

Form 4-679
(January 1963)

BOOK 4851
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

DEPENDENT RESURVEY

of Portions of

the

South Boundary and Subdivisional Lines

and

SURVEY

of the

Present Meanders of the Left Bank of the Gila River

in

Sections 35 and 36

Township 6 South, Range 27 East

Of the _____ Gila and Salt River _____ Meridian,

In the State of _____ Arizona _____.

EXECUTED BY

Leonard W. Murphy, Cadastral Surveyor

Paul G. Bauer, Supervisory Cadastral Surveyor

Under special instructions dated _____ April 23 _____, 19 64, which provided for the surveys included under Group Number _____ 414 _____, approved _____ April 23, 1964 _____, and assignment instructions dated _____ December 7 _____, 19 64, and December 6, 1965.

Survey commenced _____ December 8 _____, 19 64 _____

Survey completed _____ March 7 _____, 19 67 _____

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Meanders of the Left Bank of the Gila River

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BOOK 4851

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Township 6 South, Range 27 East
Gila and Salt River Meridian, Arizona

CHAINS

The east boundary of section 36 and the south boundaries of sections 35 and 36 were surveyed in 1875 by T. F. White. The south boundaries of sections 35 and 36 were resurveyed and the north and west boundaries of sections 35 and 36 and the meanders of the left and right banks of the Gila River were surveyed in 1895 by P. Contzen. The south boundary and the south half of the east boundary of section 36 were resurveyed in 1931 by C. E. Hunter. The south boundary of section 35 was resurveyed in 1957 by D. E. Harding. The north half of the east boundary of section 36 was resurveyed in 1958 by Phil D. Smith. The north and west boundaries of sections 35 and 36 were resurveyed in 1960 by Cazier, Hatch and Sibley.

The following field notes are those of a dependent resurvey of portions of the south boundary and subdivisional lines of Township 6 South, Range 27 East, Gila and Salt River Meridian, designed to restore the corners in their true original locations according to the best available evidence and a survey of the present left bank meanders of the Gila River in Sections 35 and 36.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions dated April 23, 1964.

Only the true line bearings and distances for the surveyed lines are given in these notes. Unless otherwise described, each corner was monumented with a standard iron post, 30 inches long, 2½ inches in diameter, flanged at the base, and with a brass cap riveted to the top.

The geographic position of the southeast corner of the township as shown on the plat of Township 6 South, Range 27 East, Gila and Salt River Meridian, Arizona, **accepted** January 17, 1964, is: Latitude, 32°51'35" North, and Longitude, 109°31'38" West.

The mean magnetic declination was found to be 13°00' East.

Dependent Resurvey of Portions of the South Boundary
Township 6 South, Range 27 East

Reestablishment of the Survey Executed
in 1931 by C. E. Hunter

Beginning at the cor. of Tps. 6 and 7 S., Rs. 27 and 28 E., monumented by an iron post 3 ins. diam., set, mkd. and witnessed as described in the official record of the 1931 resurvey. This iron post was found in a very rusted condition and was replaced with a new iron post, set 20 ins. in the ground, brass cap mkd.

T6S
R27E R28E
S36 | S31
S 1 | S 6
T7S
1964

from which

Dependent Resurvey, Portions of the South Bdy., T. 6S., R. 27 E.

CHAINS		
	<p>A fence bearing irregularly N. and S., bears E., 35 lks. dist.</p>	
	<p>S. 89°54' W., bet. secs. 1 and 36, over nearly level land.</p>	
0.12	<p>Concrete lined irrigation ditch, 8 lks. wide, 2 ft. deep, flows S.</p>	
13.03	<p>Proportionate distance; there is no remaining evidence of the 1895 meander corner of secs. 1 and 36, on the right bank of the Gila River. This point is not re-monumented.</p>	
23.01	<p>Proportionate distance; there is no remaining evidence of the 1895 meander corner of secs. 1 and 36, on the left bank of the Gila River. This point is not re-monumented.</p>	
24.56	<p>Fence, and end of cultivation, bears S. 70° E. and N. 70° W.; thence through moderate undergrowth and scattered willow and mesquite trees.</p>	
29.40	<p>Present right bank of the Gila River, bears S. 83°15' E. and N. 83°15' W. This point is not monumented.</p> <p>Thence over Gila River bottom.</p>	
40.08	<p>Point for the ¼ sec. cor. of secs. 1 and 36 falls in the Gila River and is not monumented.</p>	
48.96	<p>Present left bank of the Gila River, bears S. 80°00' E. and N. 78°48' W., and point for the meander cor. of secs. 1 and 36.</p> <p>Set the iron post 24 ins. in the ground, brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T6S R27E</p> <p><u>S36</u> — MC</p> <p>S 1</p> <p>T7S</p> <p>1967</p> </div> <p>Set a squared 4 in. mesquite post alongside the iron post as a guard stake.</p>	
54.46	<p>Fence, bears N. 5° E., and S. 5° W.</p>	
59.26	<p>Fence, bears irregularly SE. and NW.; enter N. edge of cultivated land.</p>	
59.76	<p>Field road, bears SE. and N. 85° W.</p>	
60.12	<p>Point for the W 1/16 sec. cor. of secs. 36 and 1, not monumented.</p>	
78.96	<p>Fence, bears N. 20° E. and S.; leave cultivated land.</p>	
79.31	<p>Paved road, bears N. 20° E. toward Sanchez and S. toward State Highway 78.</p>	
79.76	<p>Fence, parallels paved road.</p>	
80.16	<p>The cor. of secs. 1, 2, 35 and 36, monumented by an iron post 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1931 resurvey.</p> <p>from which</p>	

Dependent Resurvey, Portions of the South Bdy., T. 6S., R. 27 E.

CHAINS

A water well, with 8 ins. casing and powered by an electric motor, bears N. 22°15' E., 6.13 chs. dist.

A water well, with 8 in. casing and powered by a diesel motor, bears N. 69°19' E., 7.34 chs. dist.

A water well, with 8 ins. casing and powered by a diesel motor, bears N. 87°34' E., 17.19 chs. dist.

Land, nearly level.

Soil, sandy loam.

Timber, scattered willow and mesquite along the river.

Undergrowth, salt cedar and arrow weed along the river.

Reestablishment of the Survey Executed
in 1957 by D. E. Harding

West, bet. secs. 2 and 35.

Over nearly level land, through moderate greasewood.

7.35 Unimproved access road, bears S. 15° W. from curve to NE.

7.67 Same concrete lined irrigation ditch as reported in sec. 36, bears S. 15° W., from curve to NE. The water flows southerly.

8.27 Power line, bears N. 35° E. and S. 35° W.

10.92 Center of dike on left bank of San Jose Canal, bears NE. and S. 40°30' W.

11.42 San Jose Canal, 40 lks. wide, 6 ft. deep, flows S. 40°30' W. from NE.

11.92 Center of dike on right bank of San Jose Canal, parallels canal.

12.20 Bladed dirt road, parallels canal; thence over cultivated land.

13.60 A water well with 8 in. casing and powered by a diesel motor, bears S., 42 lks. dist.

20.03 Point for the E 1/16 sec. cor. of secs. 2 and 35, not monumented.

21.03 Proportionate distance; there is no remaining evidence of the 1895 meander corner of secs. 2 and 35, on the left bank of the Gila River. This point is not remonumented.

23.64 Present left bank of the Gila River, bears N. 64°15' E. and S. 60° W., and point for the meander cor. of secs. 2 and 35.

Set the iron post 24 ins. in the ground, brass cap mkd.

T6S R27E
MC / S35
S 2
T7S
1967

Dependent Resurvey, Portions of Subdivisional Lines T. 6S., R. 27 E.

<p>CHAINS</p> <p>30.26</p> <p>31.20</p> <p>34.40</p> <p>39.97</p> <p>40.06</p>	<p>The iron post is set in a fence line that parallels the left bank of the river.</p> <p>Thence over nearly dry river bottom.</p> <p>Proportionate distance; there is no remaining evidence of the 1895 meander corner of secs. 2 and 35 on the right bank of the Gila River. This point is not remonumented.</p> <p>Main channel of the Gila River, 70 lks. wide, nearly dry, flows S. 10° W.</p> <p>Present right bank of the Gila River, bears N. 24°15' E. and S. 24°15' W. This point is not monumented.</p> <p>Thence over nearly level land along the S. edge of cultivated land.</p> <p>Fence, bears N. and S.</p> <p>The ¼ sec. cor. of secs. 2 and 35, monumented by an iron post 2½ ins. diam., set, mkd. and witnessed as described in the official record of the 1957 resurvey.</p> <p>Land, nearly level bottom land. Soil, sandy to gravelly loam. Timber, scattered willow and mesquite along the river and San Jose Canal banks. Undergrowth, scattered greasewood.</p>
<p>Dependent Resurvey, Portions of Subdivisional Lines</p>	
<p>Reestablishment of the Survey Executed in 1960 by Cazier-Hatch and Sibley</p>	
<p>From the cor. of secs. 1, 2, 35 and 36. N. 0°06' E., bet. secs. 35 and 36.</p> <p>Over nearly level land.</p>	
<p>5.10</p> <p>6.80</p> <p>7.76</p> <p>8.20</p>	<p>Concrete lined irrigation ditch (same ditch as reported along the S. bdy. of sec. 35), flows irregularly W. from irregularly E.</p> <p>San Jose Canal, 40 lks. wide, 6 ft. deep, flows S. 60°30' W. from N. 64°30' E.</p> <p>Proportionate distance; there is no remaining evidence of the 1895 meander corner of secs. 35 and 36, on the left bank of the Gila River. This point is not remonumented.</p> <p>Present left bank of the Gila River, bears N. 79°39' E. and S. 66°15' W., and point for the meander cor. of secs. 35 and 36.</p> <p>Set the iron post 24 ins. in the ground, brass cap mkd.</p>
<p style="text-align: center;">T6S R27E MC S35 S36 1967</p>	

Meanders of the Present Left Bank of the Gila River,
in Section 36, T. 6 S., R. 27 E.

CHAINS	
	Set a squared mesquite post, 4 ins. diam., alongside the iron post as a guard stake.
8.47	Temporary bladed road in the now dry river bottom, parallels San Jose Canal; thence over dry river bottom.
9.83	New dike, 8 ft. high, bears S. 80° E. and N. 80° W.
13.47	New dike, 8 ft. high, bears S. 80° E. and N. 80° W. These dikes were erected to contain any excess water that might flow over the San Jose diversion dam.
18.00	Right bank of the Gila River, bears S. 69°30' E. and N. 69°30' W. This point is not monumented.
18.75	Fence, bears irregularly SE. and NW.
23.80	Bladed road, bears irregularly SE. and NW.
24.30	Enter cultivated land, parallels road.
27.70	Irrigation ditch, 15 lks. wide, 4 ft. deep, flows S. 70° W.
29.20	Field road, bears irregularly E. and W.
29.40	Tidwell Canal, 15 lks. wide, 3 ft. deep, flows irregularly W.
40.06	Point for the ¼ sec. cor. of secs. 35 and 36 falls in a cultivated field. This point was not remonumented.
53.30	Brown canal, 15 lks. wide, 4 ft. deep, flows N. 40° W.
55.50	Leave cultivated area, enter gently rolling land.
56.20	Bladed road, bears S. 75° E. and N. 75° W.
60.90	Wash, 20 lks. wide, 1 ft. deep, drains E.
68.55	Dirt road, bears SE. and NW.
70.00	Wash, 15 lks. wide, 2 ft. deep, drains SE.
80.12	The cor. of secs. 25, 26, 35 and 36, monumented by an iron post 2½ ins. diam., set, mkd. and witnessed as described in the official record of the 1960 resurvey.
	Land, nearly level to rolling. Soil, sandy to gravelly loam in S. 55.50 chs., gravelly in the remainder of the mile Timber, scattered mesquite along San Jose Canal banks. Undergrowth, moderate greasewood adjoining cultivated areas.
	<p>Meanders of the Present Left Bank of the Gila River, Downstream in Section 36</p> <hr/> <p>Beginning at the meander cor. of secs. 1 and 36, on the S. bdy. of the Tp., and on the present left bank of the Gila River.</p> <p>Thence, with meanders of the left bank of the Gila River downstream in sec. 36.</p>

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Adjusted Record Meanders, Secs. 35 and 36, T. 6 S.,
R. 27 E.

CHAINS		
	<p>Along a cut bank about 6 ft. high, through dense undergrowth.</p> <p>N. 78°48' W., 14.41 chs. At 11.37 chs. on this course, intersect the calculated position of the W 1/16 line of sec. 36.</p> <p>N. 63°15' W., 11.20 chs.</p> <p>N. 76°25' W., 2.48 chs. At end of this course, intersect the SE. end of San Jose Canal intake gate.</p> <p>N. 34°35' W., 0.62 chs. To NW. end of intake gate, from which a low concrete diversion dam extends N. 51° E. for a distance of 5.34 chs.</p> <p>S. 79°39' W., 4.36 chs. At end of this course, intersect the meander cor. of secs. 35 and 36 on the left bank of the Gila River.</p> <p>Land, level bottom land. Soil, sandy loam. Timber, moderate mesquite, scattered willow and cottonwood. Undergrowth, salt cedar.</p>	
	<p>Thence with meanders of the left bank of the Gila River, downstream in sec. 35.</p> <p>Along the mean high water line.</p> <p>S. 66°15' W., 11.43 chs. At the end of this course, intersect a cor. of fences bearing SE. and S. 75°56' W.</p> <p>S. 75°56' W., 12.30 chs. Along a cut bank, 6 ft. high, to cor. of fences bearing N. 75°56' E. and S. 64°15' W. At 9.86 chs. on this course, intersect the calculated position of the E 1/16 line of sec. 35.</p> <p>S. 64°15' W., 1.40 chs. At end of the course, intersect the meander cor. of secs. 2 and 35, on the S. bdy. of the Tp., and on the present left bank of the Gila River.</p> <p>Land, level bottom land. Soil, sandy loam. Timber, scattered mesquite. Undergrowth, scattered salt cedar.</p>	
	<p>Adjusted 1895 Record Meanders of the Left Bank of the Gila River in Sections 35 and 36, supplied herein for informational purposes only. Originally surveyed in 1895 by P. Contzen.</p> <hr style="width: 20%; margin: 10px auto;"/>	

Adjusted Record Meanders, Secs. 35 and 36, T. 6 S., R. 27 E.

CHAINS	
	<p>From the proportionate point for the 1895 meander cor. of secs. 2 and 35, on the S. bdy. of the Tp.,</p> <p>Thence, upstream, with the adjusted left bank meanders in sec. 35.</p> <p>N. 50°15' E., 6.00 chs. At 1.31 chs. on this course, intersect the calculated position of the E 1/16 line of sec. 35.</p> <p>N. 72°14' E., 8.01 chs.</p> <p>N. 80°28' E., 8.92 chs. At end of this course, intersect the proportionate point for the meander cor. of secs. 35 and 36.</p> <p>Thence, in sec. 36,</p> <p>N. 89°41' E., 7.12 chs.</p> <p>S. 60°51' E., 4.20 chs.</p> <p>S. 63°51' E., 7.30 chs.</p> <p>S. 74°51' E., 3.50 chs. At 0.72 chs. on this course, intersect the calculated position of the W 1/16 line of sec. 36.</p> <p>N. 74°59' E., 6.52 chs.</p> <p>N. 82°27' E., 11.74 chs.</p> <p>N. 68°31' E., 5.32 chs. At 3.81 chs. on this course, intersect the calculated position of the N. and S. center line of sec. 36.</p> <p>S. 86°34' E., 4.01 chs.</p> <p>S. 73°36' E., 4.20 chs.</p> <p>S. 67°21' E., 3.00 chs.</p> <p>S. 33°33' E., 4.94 chs. At end of this course, intersect the proportionate point for the meander cor. of secs. 1 and 36, on the S. bdy. of the Tp.</p>
	<p>General Description</p>
	<p>The land in the area covered by this resurvey is nearly level. The elevation is about 3,050 feet above sea level. The land adjacent to the Gila River is under cultivation. There is no mining activity near the river.</p> <p>The meander corners in sections 35 and 36, as monumented by Leonard W. Murphy in 1964, were lost during a massive flood that occurred in the last part of December 1965.</p>

General Description

CHAINS

A retracement of Murphy's resurvey and of the meanders of the left bank of the Gila River, was made March 6 & 7, 1967, under Group No. 414, Arizona, Assignment Instructions dated December 6, 1965, by Paul G. Bauer, who remonumented the lost meander corners.

BOOK 4851

Form 4-680
(June 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Daniel R. Bauer	Surveying Technician
Donald W. Beauchamp	Surveying Aid
Orrin V. Lee, Jr.	Surveying Aid
Louis D. Gilbert	Cadastral Surveyor
Jerrold E. Knight	Surveying Technician
Willard R. Wilber	Surveying Aid
Ray E. Thiessen	Surveying Aid
Arvel R. Jones	Surveying Aid

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BOOK 4851
CERTIFICATE OF SURVEY

We, Leonard W. Murphy
(Paul G. Bauer , HEREBY CERTIFY upon honor that,

in pursuance of special instructions bearing date of the 23 day of April , 19 64 ,
we
I have dependently resurveyed portions of the south boundary and subdivisional
lines and surveyed the meanders of the left bank of the Gila River, in
Township 6 South, Range 27 East

of the Gila and Salt River Meridian, in the State of Arizona , which
us our
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 special instructions, the Manual
of Instructions for the Survey of the Public Lands of the United States, and in specific manner
described in the foregoing field notes.

June 15, 1967
(Date)

Leonard W. Murphy
(Cadastral Surveyor)

June 15, 1967
(Date)

Paul G. Bauer
(Cadastral Surveyor)
(Supervisory Cadastral Surveyor)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL
Date SEP 2 6 1969

BUREAU OF LAND MANAGEMENT,
Washington, D. C.

The foregoing field notes of the dependent resurvey of portions of the south boundary
and subdivisional lines and survey of the meanders of the left bank of the
Gila River, in Township 6 South, Range 27 East of the Gila and Salt River
Meridian, in the State of Arizona,

executed by Leonard W. Murphy, Cadastral Surveyor, and Paul G. Bauer, Supervisory
Cadastral Surveyor,
having been critically examined and found correct, are hereby approved.

MAY 4 1971
(Date)

Clark T. Gunn
(Chief, Division of Engineering)
Chief, Division of Cadastral Survey

~~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.~~

~~(Date)~~

~~(Chief, Division of Engineering)~~