

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

A SURVEY OF THE NORTH AND SOUTH BOUNDARIES

AND MEANDERS OF THE LEFT BANK OF THE COLORADO RIVER

IN FRACTIONAL SECTION 36 OF

TOWNSHIP 6 SOUTH, RANGE 22 WEST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Donald A. Cannon, Cadastral Surveyor

Paul G. Bauer, Surveying Technician

*Under special instructions dated September 15, 1960, which provided
for the surveys included under Group No. 355, approved September 22, 1960
and assignment instructions dated September 26, 1960*

Survey commenced March 13, 1961

Survey completed March 13, 1961

1A

BOOK 4587

INDEX DIAGRAM

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Township 6 South, Range 22 West,
Gila & Salt River Meridian, Arizona

Chains

The following field notes are those of an original survey of the north and south boundaries and meanders of the left bank of the Colorado River in fractional section 36. The east boundary of sec. 36 was surveyed in conjunction with the concurrent surveys of T. 6 S., R. 21 W. The survey is limited to frac. sec. 36 to meet the administrative request of the Bureau of Reclamation.

The geographic position of the corner of Ts. 6 and 7 S., Rs. 21 and 22 W., determined from the data contained on the quadrangle sheet of the Geological Survey, Laguna Dam, is as follows: Latitude $32^{\circ} 51' 34''$ N. and Longitude $114^{\circ} 27' 05''$ W. The mean magnetic declination was found to be $14^{\circ} 30' E$.

The resurvey was executed with W. & L. E. Gurley solar transit No. 541331, constructed in accordance with the standard specifications of the Bureau of Land Management. The direction of the lines of the resurvey were determined by reference to altitude observations on the sun or hour angle observations on Polaris, made on line during the field work. The lines were carried forward as transit lines and checked by succeeding observations. The measurements were made with Chicago steel ribbon tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a Lufkin steel standard tape, one chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents for use in these notes.

Survey of the Fractional South Boundary
of Sec. 36, T. 6 S., R. 22 W.

Beginning at the corner of Ts. 6 and 7 S., Rs. 21 and 22 W., marked by an iron post, $2\frac{1}{2}$ ins. diam., conforming to the record of the resurvey of T. 6 S., R. 21 W., executed concurrently with this work.

Thence

West, bet. secs. 1 and 36, over level bottom land.

1.35 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, at the witness corner of secs. 1 and 36, with brass cap mkd.

	T6S
WC	/ R22W
	S36
	S1
MC	/ T7S
	1961

Set a 4 ins. by 4 ins. by 7 ft. redwood post, 48 ins. in the ground, alongside the iron post.

2.47 Mean high water mark on the left bank of the Colorado River, which bears N. $23^{\circ} 41' E$. and S. $18^{\circ} 12' W$., and point for the meander cor. of secs. 1 and 36, falls on sandy bank where the monument cannot be perpetuated.

Land, level bottom land.

Soil, deep sandy loam.

Timber, none.

Undergrowth, none.

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Chains

Survey of Frac. Sec. 36,
T. 6 S., R. 22 W., G. & S. R. Mer.

Beginning at the cor. of secs. 25, 30, 31 and 36, Ts. 6 S., Rs. 21 and 22 W., marked by an iron post, 2½ ins. diam., conforming to the record of the resurvey of T. 6 S., R. 21 W., executed concurrently with this work.

Thence

West, bet. secs. 25 and 36, over nearly level land of old POW camp site; through scattered willows and arrowweed.

11.00

Mean high water mark on the left bank of the Colorado River, below Imperial Dam, bearing S. 8° 24' W. and N. 8° 24' E.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in concrete, with brass cap mkd.

MC / T6SR22W
S25
S36
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from which

The meander cor. of secs. 9 and 16, T. 15 S., R. 24 E., S.B.M., California, bears N. 53° 52' W., 28.69 chs.

Set a 4 ins. by 4 ins. by 7 ft. redwood post, 40 ins. in the ground, 2 lks. north of the iron post.

Land, nearly level bottom land and old camp site.
Soil, sandy gravel and sandy loam.
Timber, scattered willows and cottonwood.
Undergrowth, arrowweed, salt cedar.

Meanders of the Left Bank of the Colorado River
in Sec. 36, T. 6 S., R. 22 W.

Beginning at the meander cor. of secs. 25 and 36, on the left bank of the Colorado River.

Thence with the meanders of the left bank, downstream, in sec. 36.

S. 8° 24' W., 2.30 chs.

S. 16° 31' E., 4.41 chs.

S. 0° 51' E., 5.29 chs.

S. 4° 37' E., 5.02 chs.

S. 36° 28' E., 5.19 chs.

S. 0° 15' E., 6.58 chs.

S. 55° 31' E., 7.87 chs.

The true point for the meander cor. of secs. 31 and 36, at 32.00 chs. south of the cor. of secs. 25, 30, 31 and 36.

Beginning at the true point for the meander cor. of secs. 31 and 36, on the left bank of the Colorado River, at 4.40 chs. north of the cor. of Ts. 6 and 7 S., Rs. 21 and 22 W., and 0.30 chs. north

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Gila & Salt River Meridian, Arizona

Chains

of the witness corner of secs. 31 and 36.

Thence with the meanders of the left bank of the river, downstream,
in sec. 36.

S. 35° 59' W., 2.31 chs.

S. 23° 41' W., 2.76 chs.

The true point for the meander cor. of
secs. 1 and 36, at 1.12 chs. west of
the witness meander cor. of secs. 1
and 36.

Land, level bottom land.

Soil, deep, sandy clay loam.

Timber, scattered willows and cottonwood.

Undergrowth, salt cedar and arrow weed.

General Description

The land covered in this survey is located in the bottom land east of the left bank of the river. The line bet. secs. 25 and 36 passes through the former area of an old prisoner of war camp. The area is nearly flat, subject to overflow during extreme high waters, and is covered with a medium growth of salt cedar and arrow weed and lesser amounts of willows and cottonwood.

CERTIFICATE OF CADASTRAL ENGINEER

4 We, Donald A. Cannon, & Paul G. Bauer, _____, HEREBY CERTIFY upon honor that, in
 pursuance of special instructions bearing date of the 15th day of September, 1960,
 under the supervision of Robert C. Yundt,
 we have surveyed the north and south boundaries and meanders of the left bank of the
Colorado River in fractional section 36, Township 6 South, Range 22 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.

April 14, 1961

April 14, 1961

Robert C. Yundt
 Robert C. Yundt, Cadastral Surveyor

Donald A. Cannon
 Donald A. Cannon, Cadastral Surveyor

Paul G. Bauer
 Paul G. Bauer, Surveying Technician

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 20 1961, 19____

The foregoing field notes of the survey of the north and south boundaries and meanders of
the Colorado River in fractional section 36, Township 6 South, Range 22 West, of
the Gila and Salt River Meridian, Arizona

executed by Donald A. Cannon and Paul G. Bauer, under the supervision of Robert C.
 Yundt, Cadastral Surveyor,
 having been critically examined and found correct, are hereby approved.

Donald A. Cannon
 Cadastral Engineering Staff Officer,
 Chief, Division of 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.

 Cadastral Engineering Staff Officer.

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4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jerald V. Thompson	Rear Chainman (notes)
Max Asay	Front Chainman
Anthony W. Coombs	Flagman
Kimble H. Moffitt	Cornerman