

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Dependent Resurvey

and

Accretion Survey,

Township 1 North, Range 24 West

Of the Gila & Salt River Meridian,

In the State of Arizona

EXECUTED BY

Leonard W. Murphy, 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 February 6, 1961
November 1, 1961
Survey completed February 24, 1961
November 8, 1961

BOOK 4633

INDEX DIAGRAM

Township 1 North, Range 24 West

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16-56770-1

Traverse of 1930 left bank of Colorado River
 Meander of present left bank of river

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Dependent Resurvey and Accretion Survey,
T. 1 N., R. 24 W., G. & S. R. Mer., Arizona

Chains

The original survey of T. 1 N., R. 24 W., G. & S. R. Mer., was executed by John A. Barry, Deputy Surveyor, in 1902, as shown upon the plat approved March 15, 1904. The township is fractional being bounded by the Colorado River on the north, west and southwesterly sides.

The following field notes are those of dependent resurvey of the subdivisional lines designed to restore the corners thereof in their original positions according to the best available evidence; and, the survey of accreted lands attaching to the areas originally surveyed. The surveys were made at the request of the Bureau of Reclamation to meet administrative needs of that agency.

Prior to 1930 the Colorado River had by erosive movement invaded the easterly portion of the township with a large sweeping loop in the nature of a U. In 1930, to improve the flow of the river and reduce its farther encroachment upon the township, a channel, known as the Keele Cut, was dredged across the top of the loop in secs. 5 and 6, T. 9 S., R. 22 E., S. B. M., California. This channelization had the effect of isolating lands within the inner portion of the loop, and a portion of the old river bed, on the south side of the present channel of the river. The surveys of the subdivisional lines are designed to close upon and are limited by the old left bank of the river as it existed at the time of the Keele Cut.

The surveys were executed with a Gurley transit constructed in accordance with standard instrumental specifications of the Bureau. The instrument was maintained in good adjustment throughout the surveys. The lines were carried forward by normal transit methods on true directions determined from frequent astronomical observations. The chaining was accomplished with a narrow steel tape, eight chains in length, which had been compared with a standard one chain tape and found correct. All distances reported are based upon horizontal measurements.

The geographic position of the cor. of secs. 25, 30, 31 and 36, on the east boundary of the township, is $33^{\circ} 23' 02''$ N. latitude and $114^{\circ} 41' 30''$ W. longitude, as scaled from the Geological Survey's topographic quadrangle map, Palo Verde, Ariz-Calif. - 1952.

The magnetic declination from the same source is reported to be 15° East.

Dependent Resurvey and Accretion Survey,
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Reestablishment of the Surveys executed by
John A. Barry, D. S., in 1902

Chains

Dependent Resurvey and Accretion Survey,
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From the cor. of secs. 25, 30, 31 and 36, on the East bdy. of the township, which is marked by an iron post, $2\frac{1}{2}$ ins. in diam., conforming to the record of the 1959-60 resurvey of T. 1 N., R. 23 W.

Thence

West, on record bearing, bet. secs. 25 and 36.

Over level land, along the north edge of an irrigation ditch bearing E. and W., with fields to N. and S., marking the true line.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36, at record distance; there is no remaining evidence of the original corner.

At the corner point

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

T1N
R24W
S25
S36
1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

56.00 Enter dense salt cedars, bearing irregularly N. and S.

80.00 Point for the cor. of secs. 25, 26, 35 and 36, at record distance; there is no remaining evidence of the original corner.

At the corner point

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

T1N	R24W
S26	S25
S35	S36
1961	

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Land, level bottom.
Soil, loam.
Timber, none.
Undergrowth, salt cedars.

S. $0^{\circ} 01'$ E., on record course, bet. secs. 35 and 36.

Over level land, through dense undergrowth.

0.50 Barb-wire fence, bears generally E. and W.

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Chains

23.72 Left bank of the Colorado River, 8 to 10 ft. in height, bearing S. 33° 00' E. and N. 33° 13' W.

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, in concrete, for the meander cor. of sec. 35, with brass cap mkd.

T1N R24W
S35
S 36
WP
1961

Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

Land, level bottom.

Soil, sandy loam.

Undergrowth, dense salt cedar and arrowweed.

Timber, none.

I return to the cor. of secs. 25, 26, 35 and 36.

West, on record bearing, bet. secs. 26 and 35.

Over level land, through dense undergrowth.

13.00 Point for the record meander cor. of secs. 26 and 35, on the left bank of the Colo. R., established by the surveys of 1902. There is no remaining evidence of the original corner. The point was not remonumented.

Continue with same line and measurement, over accretion lands.

21.67 Left bank of the Colorado River, 8 ft. high, bearing N. 29° 34' W. and S. 36° 00' E.

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, for the meander cor. of secs. 26 and 35, with brass cap mkd.

T1N R24W
S 26
MC S 35
1961

Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground alongside the iron post as a guard stake.

Land, level, undeveloped bottom.

Soil, sandy loam.

Timber, none.

Undergrowth, salt cedars, willows and scattering mesquite.

I return to the cor. of secs. 25, 26, 35 and 36.

N. 0° 01' W., on record bearing, bet. secs. 25 and 26.

Over level land, through dense undergrowth.

24.00 Point for the record meander cor. of secs. 25 and 26, on the left

Dependent Resurvey and Accretion Survey,
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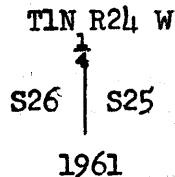
Chains

bank of the Colo. R., established by the surveys of 1902. There is no remaining evidence of the original corner. The point was not remonumented.

Continue with same line and measurement, over accretion lands.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26.

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



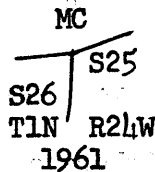
Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post, as a guard stake.

57.80 Track road, bears E. and W.

58.10 Barb-wire fence, bears E. and W.; leave dense undergrowth and enter meadow.

76.88 The left bank of the Colorado River, a cut bank 6 to 8 ft. high, bearing S. 82° W. and N. 77° E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, in concrete, for the meander cor. of secs. 25 and 26, with brass cap mkd.



Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, in concrete, scribed MC on S. face, alongside the iron post as a guard stake.

from which

A cottonwood, 30 ins. diam., bears S. 5° E., 1.68 chs. dist., mkd. S 25 B T.

A cottonwood, 36 ins. diam., bears S. 45° W., 0.60 ch. dist., mkd. S 26 B T.

Land, level undeveloped bottom.

Soil, sandy loam.

Timber, scattered cottonwood.

Undergrowth, salt cedars and arrowweed.

The west portion of the line bet. secs. 24 and 25 falls within the Colorado River. Therefore, to obtain the line's position I proceed as follows:

From the MC of secs. 25 and 26, on the left bank of river, as described above.

East, on an offset line, 12.82 chs. dist.

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Thence, North, 3.12 chs. dist., to the latitudinal position for the line bet. secs. 24 and 25, at a point on the left bank of the river, bearing N. $86^{\circ} 37'$ E. and S. $61^{\circ} 06'$ W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for meander cor. of secs. 24 and 25, with brass cap mkd.

TLN
 MC / S24
 S25
 R24W
 1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Thence

East, bet. secs. 24 and 25, over accreted lands formed since the original survey.

Over level land, along N. edge of bladed road, marking the true line.

27.18 Point for the $\frac{1}{4}$ sec. cor. of secs. 24 and 25.

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

TLN
 S24
 $\frac{1}{4}$
 S25
 1961

Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post for a guard stake.

Continue with same line and measurement.

38.68 The 1930 left bank of the Colorado River, 6 ft. in height, bearing N. $18^{\circ} 00'$ W. and S. $8^{\circ} 20'$ E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, for meander cor. of secs. 24 and 25, with brass cap mkd.

TLN R24W
 S24 /
 S25 / MC
 1961

The corner is located 145 lks. north of an E. and W. bladed road.

Land, level bottom.

Soil, river silt.

Timber, scattered cottonwoods.

Undergrowth, arrowweed.

The east portion of the line bet. secs. 25 and 26 falls within the Colorado River. Therefore to obtain the line's position I proceed as follows:

From a point 76.00 chs., N. $0^{\circ} 01'$ W. on the line bet. secs. 25

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Chains

and 26, and 0.88 ch. S. $0^{\circ} 01'$ E. of the meander cor. of secs. 25 and 26 on the left bank of the Colorado River.

West, on an offset line, 25.31 chs. dist.

Thence, N. $0^{\circ} 01'$ W., 4.00 chs. to the latitudinal position for the line bet. secs. 23 and 26, at a point on the left bank of the river, bearing N. $59^{\circ} 59'$ W. and S. $58^{\circ} 00'$ E.

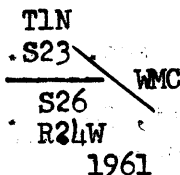
The point falls on a steep bank where the monument cannot be maintained; set a witness meander cor. as hereafter described.

Thence

West, bet. secs. 23 and 26, over accreted lands formed since the original survey.

Over level land, marking the true line.

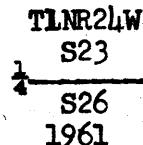
- 0.26 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for the witness meander cor. of secs. 23 and 26, with brass cap mkd.



Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground alongside the iron post as a guard stake.

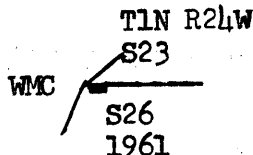
- 14.69 Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 26.

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



Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

- 31.29 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for the witness meander cor. of secs. 23 and 26, with brass cap mkd.



Set a redwood post, 7 ft. long, 4 ins. sq., 36 ins. in the ground, alongside the iron post as a guard stake.

- 39.93 The left bank of the Colorado River bearing N. 41° E. and S. 23° W. and point for the meander cor. of secs. 23 and 26. The point falls upon a loose cut bank, 6 ft. high, where a monument cannot be maintained. Set the WMC as described above.

Land, level bottom.

Soil, river silt.

Timber, none; undergrowth, arrowweed and salt cedar.

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Traverse of 1930 Left Bank
of Colorado River.

The following field notes are those of the traverse of the old left bank of the Colorado River as the river ran in 1930 and immediately prior to its abandonment as caused by the man-induced channelization by the Keele Cut. Through secs. 24 and 25 the bank is undisturbed and quite evident at this time, being 5 to 8 ft. in height. To perpetuate the position of the bank, the angle points of the traverse have been appropriately monumented.

Where the traverse fronts upon public lands, the portions thereof are held to be fixed and limiting boundaries of the public land tracts.

From the witness point for the line bet. secs. 25 and 30, on E. bdy. of Tp., which is marked by an iron post, $2\frac{1}{2}$ ins. in diam., conforming to the 1959-61 survey record for T. 1 N., R. 23 W.

Thence, traverse the 1930 left bank, in sec. 25.

N. $58^{\circ} 54'$ W., 6.51 chs.

0.35 Center of N-S gravel road.

0.74 Barb-wire fence, bears N. and S.

6.51 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for Angle Point 1, sec. 25, with brass cap mkd.

TLN R24W

S 25 AP 1

1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

N. $34^{\circ} 52'$ W., 16.72 chs.

16.72 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 26 ins. in the ground, for Angle Point 2, sec. 25, with brass cap mkd.

TLN R24W

S 25 AP 2

1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

N. $25^{\circ} 15'$ W., 15.79 chs.

15.79 Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, for Angle Point 3, sec. 25, with brass cap mkd.

TLN R24 W

S 25 AP 3

1961

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Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

N. 8° 20' W., 45.87 chs.

43.40 Enter slough, approx. 8 ft. deep, bearing E. and W.

44.30 Lv. slough and S. edge of E-W bladed road.

44.55 N. edge of road.

45.87 The meander cor. of secs. 24 and 25, hereinbefore described.

Thence in sec. 24.

N. 18° 00' W., 7.06 chs.

7.06 Set an iron post, 30 ins. long, 2½ ins. in diam., 25 ins. in the ground, for Angle Point 1, sec. 24, with brass cap mkd.

T1N R24W

S 24 AP 1

1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

N. 34° 56' W., 4.61 chs.

4.61 Intersect the present left bank of the Colorado River, banks 10 to 12 ft. high, bearing N. 47° E. and S. 47° W.

Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, for special meander corner, with brass cap mkd.

SMC

S 24

T1N R24W

1961

Set a redwood post, 7 ft. long, 4 ins. sq., alongside the iron post as a guard stake.

Land, level bottom.

Soil, river silt.

Timber, cottonwood and willow.

Undergrowth, arrowweed, salt cedar and mesquite.

Meander of Present Left Bank
of Colorado River.

The following field notes are those of the meander of the present left bank of the Colorado River through secs. 23, 24, 25, 26 and 35.

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From the special meander cor. of sec. 24, set on the left bank of the river, as described above.

Thence, on the meanders, along a well-defined bank, 10 to 12 ft. in height, through dense undergrowth.

In sec. 24

S. 47° 00' W.,	1.51 chs.	
S. 30° 00' W.,	3.50 chs.	
S. 65° 00' W.,	10.50 chs.	
S. 75° 00' W.,	4.50 chs.	
S. 85° 00' W.,	5.80 chs.	
N. 84° 00' W.,	4.40 chs.	
S. 81° 30' W.,	4.20 chs.	
S. 86° 37' W.,	2.89 chs.	The meander cor. of secs. 24 and 25, hereinbefore described.

Thence in sec. 25

S. 61° 06' W.,	3.01 chs.	
S. 85° 00' W.,	4.73 chs.	
S. 77° 00' W.,	5.62 chs.	The meander cor. of secs. 25 and 26, hereinbefore described.

Thence in sec. 26

S. 82° 00' W.,	2.40 chs.	
S. 89° 00' W.,	8.00 chs.	
N. 89° 00' W.,	6.10 chs.	
N. 82° 00' W.,	4.10 chs.	
N. 58° 00' W.,	5.63 chs.	The true point for the meander cor. of secs. 23 and 26, hereinbefore described.

Thence in sec. 23

N. 59° 59' W.,	2.72 chs.	
N. 80° 00' W.,	4.10 chs.	
N. 77° 00' W.,	12.30 chs.	
N. 58° 00' W.,	3.70 chs.	
N. 22° 00' W.,	4.30 chs.	
N. 52° 00' W.,	2.30 chs.	
S. 53° 30' W.,	11.80 chs.	
S. 55° 30' W.,	3.00 chs.	
S. 41° 00' W.,	4.63 chs.	The true point for the meander cor. of secs. 23 and 26, hereinbefore described.

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T. 1. N., R. 24 W., G. & S. R. Mer., Arizona

Chains

Thence in sec. 26 .

S. 23° 00' W., 10.50 chs.

S. 22° 00' E., 7.20 chs.

S. 68° 00' E., 8.40 chs.

S. 47° 00' E., 4.30 chs. .

S. 11° 30' E., 5.10 chs. .

S. 22° 00' E., 7.80 chs. .

S. 36° 00' E., 3.80 chs. .

S. 41° 30' E., 6.20 chs. .

S. 50° 00' E., 4.70 chs. .

S. 34° 00' E., 4.20 chs. .

S. 24° 15' E., 10.70 chs. .

S. 27° 00' E., 3.50 chs.

S. 19° 00' E., 3.20 chs.

S. 36° 15' E., 16.00 chs.

S. 29° 34' E., 2.77 chs. The meander cor. of secs. 26 and 35,
hereinbefore described.

Thence in sec. 35

S. 36° 00' E., 11.20 chs.

S. 47° 00' E., 9.60 chs.

S. 54° 00' E., 6.60 chs.

S. 33° 13' E., 5.02 chs. The meander cor. of secs. 35 and 36,
hereinbefore described.

End the meanders of the left bank..

Land, nearly level bottom.

Soil, river silt and sand.

Timber, none.

Undergrowth, dense arrowweed and willows.

General Description

The land covered by these surveys is located in the bottom along the left bank of the Colorado River. It is nearly level, covered by brush, arrowweed and salt cedar. The timber consists of cottonwood, willows and mesquite. Only a very small area on the east part of the township has been cleared and cultivated together with a large meadow of weeds and grasses.

4-680
(August 1947)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Frank W. Rogers	Surveying Aide
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Donald A. Pray	" "
Kimble D. Moffitt	" "
Jerald G. Brindley	" "
Ashley D. Allen	" "
Gary T. Oviatt	" "
Max Asay	" "
Rex J. Edwards	" "

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CERTIFICATE OF CADASTRAL ENGINEER

I, Leonard W. Murphy, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of September, 1960, I have ~~surveyed~~ executed the Dependent Resurvey and Accretion Survey, Township 1 North, Range 24 West

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.

November 8, 1961

Leonard W. Murphy
Surveying Technician

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., JUN 5 1962, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey and accretion survey, T. 1 N., R. 24 W., G. & S. R. Mer., Arizona

executed by Leonard W. Murphy

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

Clark I. Sumner
Acting 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.

Chief, Division of Engineering and Construction
Chief, Division of Engineering