

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Limited Dependent Resurvey

and

Extension Survey of Accretion Lands,

Township 2 South, Range 24 West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

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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 December 8, 1960.

Survey completed January 17, 1961.

12

BOOK 4622

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Township 9 South, Range 24 West

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16-56770-1

Meanders of the Left Bank of Colorado River, Pgs. 13-15

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
Gila and Salt River Meridian, Arizona

## Chains

The original survey of the subdivision of T. 9 S., R. 24 W., Gila and Salt River Meridian, Arizona was executed by T. F. White, in 1874 and dependently resurveyed by Arthur W. Brown in 1918 with corrections made by William H. Thorn in 1920. A portion of the subdivision was dependently resurveyed in 1930 by F. E. Joy, U. S. Cadastral Engineer. The following notes are those of a dependent resurvey of a portion of the subdivision, and extension survey of accretion lands not included in previous surveys.

The dependent resurvey is a restoration of the lines of the original surveys in their true original positions according to the identified evidence of those surveys. Before remonumenting an original corner position, or restoring a lost corner, the lines of the original survey were retraced and diligent search made for the original corner monuments and other calls of the field notes, and for collateral evidence of later date. After completing the necessary retracements and searches, the rules of proportionate measurement were applied, or record positions used in those cases where no opposite corner was found, in order to ascertain the position of each lost corner, and when duly identified or restored the corner positions were monumented with iron posts. In order to simplify the record only true line notes referring to the completed resurvey are supplied here.

The survey was executed with a W. and L. E. Gurley solar transit, serial No. 541328, which conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey. The direction of the lines of the resurvey were determined by an altitude observation on the sun and the lines were carried forward as transit lines and verified by succeeding observations.

The measurements were made with a narrow steel tape, 8 chains in length, graduated to tenths of links for the first link, to links for the next 99 links, and thereafter at intervals of 10 links. The tape was tested with a standard steel tape 1 chain in length and found to be correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by two clinometers in good adjustment. The slope distances were properly reduced to horizontal equivalents which are entered in the field note record.

The geographic position of the corner of sections 19, 20, 29, and 30, T. 9 S., R. 24 W., is: Latitude  $32^{\circ} 37' 30''$  N., longitude  $114^{\circ} 45' 00''$  W. This data is taken from the U. S. Geological Survey quadrangle sheet YUMA WEST, dated 1952.

The magnetic declination was read a number of stations throughout the township and the average of the several readings was found to be  $14^{\circ} 30'$  E.

Dependent Resurvey of the Subdivision  
of T. 9 S., R. 24 W., G. & S. R. Mer., Arizona

Reestablishment of the surveys executed by T. F. White in 1874,  
and Arthur W. Brown in 1918  
with corrections by William H. Thorn in 1920.

Beginning at the corner of sections 8, 9, 16, and 17 which is marked with a regulation iron post, 2 ins. in diameter, set 6 ins. below the surface of an asphalt road, marked as described in the official record.

from which

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains

A cross (+), on concrete abutment bears S. 43° 15' W., 43.5  
links distant, (28.7 ft.) and is marked R. P. 28.7.

A cross (+), on concrete abutment bears S. 45° E., 43.5 links  
distant, and is marked R.P. 28.7.

The corner is set in center of Avenue G., bearing N. and S.,  
at the intersection of the south edge of farm roads bearing  
E. and W.

Thence

N. 0° 18' W., between sections 8 and 9.

Along the center line of Avenue G., cultivated fields on E. and W.  
sides of the asphalt road.

40.07 The  $\frac{1}{4}$  section corner of sections 8 and 9, which is marked by an iron  
post, 1 inch in diameter, set 6 ins. below the surface of the asphalt  
road, marked as described in the official record.

N. 0° 18' W., beginning new measurement.

Along the center line of Avenue G.

20.43 A stucco finished house, bears E., 2 chains distant.

40.07 The corner of sections 4, 5, 8, and 9, which is marked by an iron  
post, 2 ins. in diameter, set 40 ins. in the ground, markings illeg-  
ible. This point is accepted as the best available evidence of the  
official corner.

At the corner point

Set an iron post, 30 ins. long, 2½ ins. in diameter, 18 ins. below  
the surface of the road, with brass cap marked:

T9SR24W	
S5	S4
S8	S9
1961.	

from which

An iron post, 30 ins. long, 2½ ins. in diameter, with brass cap  
marked T9S R24W RM 63 FT. 1961, with arrow pointing toward the  
corner, set 25 ins. in the ground, surrounded by concrete, as  
a reference monument, bears N. 31° 45' E., 95.5 links distant.  
(63.0 Ft.)

An iron post, 30 ins. long, 2½ ins. in diameter, with brass cap  
marked T9S R24W S5 RM 63 FT. 1961, with an arrow pointing  
toward the corner, set 24 ins. in the ground, surrounded by  
concrete, as a reference monument, bears N. 31° 45' W., 95.5  
links distant. (63.0 Ft.)

The section corner is located in the intersection of an asphalt road  
bearing east and south, and a bladed road bearing north and west.

Land, level.  
Soil, sandy loam.  
Timber, none.  
Undergrowth, none.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
Gila and Salt River Meridian, Arizona

Chains

N.  $0^{\circ} 17'$  W., bet. secs. 4 and 5.

Over nearly level land, along E. edge of dirt access road.

39.80 S. edge of timber bridge.

39.97 Point for the  $\frac{1}{4}$  sec. cor. of secs. 4 and 5, monumented by a U.S.B.R. regulation iron post, set 8 ins. below surface of ground, in concrete, with brass cap mkd.

$\frac{1}{4}$   
S5 | S4  
1915

from which

A power pole, bears NW., 61.9 lks. dist., mkd. RP 40.9 FT.

A power pole, bears NW., 1.18 chs. dist., mkd. RP 78.0 FT.

The post is accepted as the best available evidence of the position of the original corner. The point was not remonumented.

N.  $0^{\circ} 17'$  W., beginning new measurement.

Continue along graded road.

29.50 Point for the 1874 record meander line; there is no remaining evidence of the original meander cor. or the post set in 1918. The point was not remonumented.

38.03 Access road along canal.

38.23 S. edge of canal, bears irregularly E. and W.

38.83 N. edge of canal.

39.97 The cor. of secs. 4 and 5 on the N. bdy. of the township and on the S. bdy. of sec. 33, T. 8 S., R. 24 W., which is mkd. by U.S.B.R. regulation iron post, set and marked as described in the concurrent resurveys in T. 8 S., R. 24 W.

Land, nearly level.

Soil, sandy loam.

Timber, none.

Undergrowth, scattered arrowweed.

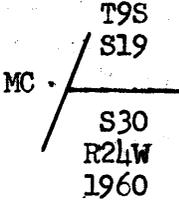
From the cor. of secs. 19, 20, 29 and 30, which is monumented by a regulation U.S.B.R. iron post, set 12 ins. below the surface of the ground, with brass cap mkd.

T9S R24W  
S19 | S20  
S30 | S29

1954

This iron post was pointed out to me by the Superintendent of the Yuma Indian Reservation, the corner being also pertinent to the

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
Gila and Salt River Meridian, Arizona

Chains	
	<p>Cocopah Indian Reservation, and by a local surveyor, as the accepted position for the sec. cor. I accept it as the best available evidence of the original corner. The corner is situated 5 lks. south of south edge of E-W road and on the projected E. line of a road bearing N.</p> <p>Thence</p> <p>S. 89° 51' W., bet. secs. 19 and 30.</p> <p>Over level land, along a graded road, with cultivated land on both sides and a telephone line, fence and irrigation ditch on south side.</p>
14.15	NE. bank of irrigation ditch, drains SE.; thence across ditch.
14.35	SE bank of ditch.
14.40	E. edge of graded road, bearing NW. and SE.; leave cultivated lands and enter into undergrowth.
18.01	<p>Point for the record meander cor. of the 1874 surveys of the left bank is marked by a regulation iron post, 2 ins. in diam., set 12 ins. below ground, marked as described in the 1918 survey record. The iron post is badly corroded.</p> <p>At the corner point</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 45 ins. in the ground, in concrete, with brass cap mkd.</p> <div style="text-align: center;">  </div> <p>Bury the original monument alongside the iron post and set a redwood post, 6 ft. long, 4 ins. square, 36 ins. in the ground as a guard stake.</p>
19.40	Leave undergrowth; enter cultivated field.
39.81	<p>Point for the witness ¼ sec. cor. of sec. 19 and 30, is marked by an iron post, 1 in. in diam., set 15 ins. under the surface of ground, marked as described in the 1918-20 official record.</p> <p>The corner is located in center of bladed road bearing N. and S. and was in good condition. It was not remonumented.</p>
39.93	E. edge of canal, bears N. and S.
40.01	True point for the ¼ sec. cor. of secs. 19 and 30, falls in canal, in accordance with 1918-20 official record.
	<p>Thence</p> <p>S. 89° 51' W., beginning new measurement.</p>
0.25	W. edge of canal.
1.00	Enter scattered undergrowth.
39.69	The cor. of secs. 19, 24, 25 and 30, on the west boundary of the township, marked by an iron post as described in the concurrent resurveys of T. 9 S., R. 25 W.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
Gila and Salt River Meridian, Arizona

Chains

Land, nearly level.  
Soil, sandy.  
Timber, none.  
Undergrowth, arrowweed and tall grass.

From the cor. of secs. 19, 20, 29 and 30.

N. 0° 14' W., bet. secs. 19 and 20.

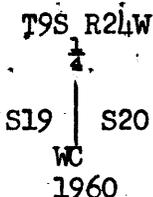
Along E. edge of graveled road, with irrigation ditch to E.; cultivated fields on both sides of road.

0.20 Graveled road, bears E. and W.

39.96 Point for  $\frac{1}{4}$  sec. cor. of secs. 19 and 20, at proportionate distance; there is no remaining evidence of the original corner. The point falls on W. side of concrete irrigation flume where a monument cannot be established.

40.18 Irrigation flume turns E.

40.26 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, for witness  $\frac{1}{4}$  sec. cor., with brass cap mkd.



from which

A cross (x), on concrete flume wall, bears S. 45° 00' E., 8.6 lks. dist., mkd. R P 5.5 FT.

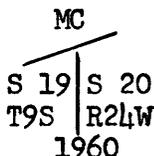
A cross (x), on same concrete flume wall, bears S. 45° 00' W., 8.7 lks. dist., mkd. R P 5.7 FT.

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

42.86 Point for the original meander cor. of secs. 19 and 20, on the old left bank of the Colorado River, at proportionate distance; there is no remaining evidence of the original corner or the iron post established therefor in 1920.

At the corner point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 48 ins. in the ground, with brass cap mkd.



This corner is located on the west edge of a cultivated field and the east edge of road bearing N. and S.

79.92 Point for the cor. of secs. 17, 18, 19 and 20, which is monumented with a regulation iron post, 2 ins. diam., set 8 ins. below the road surface, set and mkd, as described in the official record.

The post was in good condition and the point was not remonumented

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 25 ins. in the

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains

ground, N.  $43^{\circ} 05'$  E., 70.0 lks. dist., as a reference monument, with brass cap mkd. T9S R24W S17 RM 46.2 ft. 1960, with arrow pointing to the corner; set a red wood post, 4 x 4 ins. square, alongside for guard stake.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, S.  $52^{\circ} 16'$  E., 60.1 lks. dist., as a reference monument, with brass cap mkd. T9S R24W S20 RM 39.1 Ft. 1960, with arrow pointing to the corner; set a red wood post, 4 x 4 ins. square, alongside for guard stake.

The corner is located in the approximate intersection of north-south and east-west roads.

Land, level fields.  
Soil, sandy loam.

From the cor. of secs. 17, 18, 19 and 20, the line bet. secs. 17 and 20 was retraced and the following corners recovered:

The original meander cor. of secs. 17 and 20, marked by a regulation iron post, set, mkd. and witnessed as described in the 1920 survey record, bears N.  $89^{\circ} 41'$  E., 3.48 chs. dist.

The cor. of secs. 16, 17, 20 and 21, marked by a regulation iron post, set and mkd. as described in the 1920 survey record, bears N.  $89^{\circ} 47'$  E., 79.98 chs. dist.

N.  $89^{\circ} 53'$  W., bet. secs. 18 and 19, on an alinement to the point for the P.O.S.L., hereinafter described.

Along a bladed farm road, gradually bearing to the S. edge thereof, with cultivated fields on both sides.

- 35.70 Road along canal; end of road from E.  
35.90 E. bank of canal, flowing S. from N.  
36.70 W. bank of canal.  
36.90 Road along canal; enter field.  
41.69 Point for the  $\frac{1}{4}$  sec. cor. of secs. 18 and 19, at record distance; there is no remaining evidence of the original corner.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 52 ins. in the ground, in concrete, with brass cap mkd.

T9S R24W  
S 18  
 $\frac{1}{4}$   
S 19  
1960

from which

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., with brass cap mkd. T9S R24W S19 RM 35.4 Ft. 1960, with arrow pointing to corner, set 22 ins. in the ground, as a reference monument, bears S.  $33^{\circ} 19'$  E., 53.6 lks. dist. Set a redwood post, 4 x 4 ins. square, alongside for guard stake.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., with brass cap mkd. T9S R24W S19 RM 52.0 Ft. 1960, with arrow pointing to corner, set 24 ins. in the ground, as a reference monument, bears S.  $54^{\circ} 36'$  W., 78.8 lks. dist. Set a redwood post, 4 x 4 ins. square, alongside for guard stake.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains

The corner falls in cultivated field.

56.11 Point for closing corner of secs. 18 and 19 on the considered east toe of the New Yuma Valley Levee, at record distance, and on the alinement bet. the cor. of secs. 17, 18, 19 and 20 and the P.O.S.L. on the levee; there is no remaining evidence of the 1920 survey post.

At the corner point

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

T9S R24W

C	S18
C	S19
1960	

Set a redwood post, 4 ins. square, alongside for guard stake.

---

West, on extension survey of accretion lands not included in the 1920 surveys, beginning new measurement.

0.78 Center of railroad, bearing NE. and SW. on curve.

1.19 A U. S. Bur. of Reclamation iron post, set 8 ins. below surface of the levee and in center thereof, bears North,  $0^{\circ}$  lk. dist., with brass cap mkd.

P.O.T. & P.O.S.L.  
STA.

635 + 23.26

1952

This iron post was set, according to USBR records, at a time when the closing cor. of secs. 18 and 19, at the toe of the levee, was marked by an iron post, which post has since been lost or destroyed. Consequently, the iron post has been adopted in the alinement of the line bet. secs. 18 and 19.

1.37 West toe of levee.

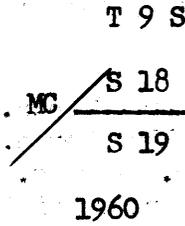
6.87 Small irrigation canal, bears irregularly NW. and SE., flowing NW.

9.63 The left bank of the Colorado River, 10 to 12 ft. in height, bearing S.  $57^{\circ} 45'$  W. and N.  $52^{\circ} 30'$  E.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, in concrete, for the meander cor. of secs. 18 and 19, with brass cap mkd.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains



Set a redwood post, 7 ft. long, 4 ins. square, 32 ins. in the ground, alongside the iron post as a guard stake.

Land, nearly level.  
Soil, sandy loam.  
Timber, none.  
Undergrowth, arrowweed and willows along river.

I return to the cor. of secs. 17, 18, 19 and 20

N. 1° 10' W., bet. secs. 17 and 18.

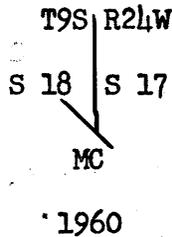
Over nearly level land, along the east side of a graded farm access road.

5.78

Point for the meander cor. of secs. 17 and 18, on the originally surveyed left bank of the river, as reestablished in the 1920 resurvey, is marked by the remains of the 1920 iron post, a badly corroded post with brass cap broken off, 10 ins. below the surface of road.

At the corner point

Set an iron post, 30 ins. long, 2½ ins. in diameter, 50 ins. in the ground, with brass cap mkd.



from which

A railroad spike in telephone pole, bears N. 16° 44' E., 1.41 chs. dist.

No other accessories available.

19.98

Telephone line, 3 wires, bears E. and W.

40.04

Point for the ¼ sec. cor. of secs. 17 and 18, at proportionate distance; there is no remaining evidence of the original corner or post set in 1920.

At the corner point

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 45 ins. in the ground, with brass cap mkd.

T9S R24W

 $\frac{1}{4}$ 

S 18 | S 17

1960

from which

A  $1\frac{1}{2}$  inch diameter test well pipe, projecting 30 ins. above the ground, bears S.  $21^{\circ} 32'$  E., 34.5 lks. dist. (22.8 ft.)

An "X" on concrete headgate, bears S.  $67^{\circ} 55'$  W., 39.7 lks. dist. (26.15 ft.), marked RP

The corner is located in the center of a bladed road bearing N. and S.

80.08

Point for the cor. of secs. 7, 8, 17 and 18, which is marked by a U.S.B.R. regulation iron post, 2 ins. in diam., set 6 ins. below surface of road, with brass cap mkd.

T9S R24 W

S 7 | S 8

S 18 | S 17

1951

from which

A redwood post, 6 ft. long, 4 ins. square, bears North, 45.5 lks. dist., mkd. REF. 30 FT.

This iron post is accepted as the best available evidence of the original corner. The point was not remonumented.

The corner falls in SW. cor. of intersection of roads bearing E. and W. and S.

Land, nearly level.

Soil, sandy loam.

Undergrowth, none.

Timber, none.

From the cor. of secs. 8, 9, 16 and 17, hereinbefore described.

S.  $89^{\circ} 42'$  W., bet. secs. 8 and 17.

Along S. edge of a graded road.

17.18

Irrigation lateral, drains S. from N.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains	
39.80	Canal, 15 lks. wide, drains S. from N.
39.96	Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 17, at proportionate distance; there is no remaining evidence of the original corner.
	At the corner point
	Set an iron post, 20 ins. long, $2\frac{1}{2}$ ins. in diameter, 40 ins. in the ground, in concrete, with brass cap mkd.
	T9S R24W
	$\frac{1}{4}$ $\frac{S\ 8}{S\ 17}$
	1960
	from which
	A cross ( + ), on concrete headgate, bears S. $18^{\circ} 45'$ E., 48 lks. dist., mkd. RP 31.7 FT.
	An iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diameter, with brass cap marked T9S R24W S17 RM 40.0 FT. 1960, with arrow pointing toward the corner, set 25 ins. in the ground, as a reference monument, bears S. $39^{\circ} 30'$ W., 60.6 lks. distance and located in the cor. of a fence line bearing W. and S.
79.92	The corner of secs. 7, 8, 17 and 18.
	Land, level cultivated. Soil, sandy loam and shallow clay. Timber, none. Undergrowth, none.
	West, bet. secs. 7 and 18, on record bearing.
	Over level land.
5.50	Center of bladed road, bears N. and S.
5.70	East edge of canal, bears irregularly N. and S., draining S.
6.30	West edge of canal.
7.19	Point for the closing cor. of secs. 7 and 18, as established in the 1918 resurvey on the SE. toe of the New Yuma Valley Levee, at record distance; there is no remaining evidence of the corner post.
	At the corner point.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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Chains

Set an iron post, 30 ins. long, 2 1/2 ins. in diameter, 40 ins. in the ground, with brass cap marked:

T9S  
R24W  
/C S7  
C S18

1960

The corner falls at toe of levee.

West, on extension survey, beginning new measurement.

0.51 Center of railroad tracks, bears NE. and SW.

0.83 Intersect the New Yuma Valley Levee.

Set an iron post, 30 ins. long, 2 1/2 ins. in diameter, 40 ins. in the ground, for a witness point, with brass cap marked:

T9SR24W

WP

S7

S18

1960

U.S.B.R. iron post for levee sta. P.O.S.L. 573 + 73.27, bears South 4.2 links distant.

2.21 West toe of the levee.

13.20 Set an iron post, 30 ins. long, 2 1/2 ins. in diameter, 20 ins. in the ground, surrounded by concrete, at the witness meander corner of sections 7 and 18, with brass cap marked:

T9S

S7

S18

1961

WMC

Set a redwood post, 7 ft. long, 4 ins. square, 32 ins. in the ground, alongside the iron post at a guard stake.

Thence enter into area subject to overflow in time of extreme high water.

16.60 Left bank of the Colorado River at mean high water mark and true point for the meander corner of sections 7 and 18, located on abrupt, sandy bank, 4 to 6 ft. in height, where the monument cannot be perpetuated; bank bears N. 47° 50' E., and S. 43° 45' W. Set the WCMC as described above.

Land, nearly level.  
Soil, sandy loam.  
Timber, none.  
Undergrowth, salt cedar and arrowweed.

From the corner of sections 7, 8, 17, and 18.

North, between sections 7 and 8, on record bearing.

Over nearly level land, through patches of dense undergrowth.

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Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
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## Chains

- 6.40 Road, bears NE. and SW.
- 6.60 SE. bank of canal, bears N. 40° E., and S. 40° W.
- 7.60 NW. bank of canal.
- 9.19 Point for the closing cor. of secs. 7 and 8, as established in the 1918 resurvey, at record distance; there is no remaining evidence of the original corner.
- At the corner point
- Set an iron post, 30 ins. long, 2½ ins. in diameter, 20 ins. in the ground, at the restored closing corner, with brass cap marked:
- USBR  
C | C  
S7 | S8  
T9SR24W  
1961
- Set a redwood post, 7 ft. long, 4 ins. square, 36 ins. in the ground, alongside the iron post as a guard stake.
- The point falls at the E. toe of levee.
- Thence
- North, on extension survey, beginning new measurement.
- 0.25 Center of railroad tracks, bears NE. and SW.
- 0.69 Intersect the New Yuma Valley Levee.
- Set an iron post, for a witness point, 30 ins. long, 2½ ins. in diameter, 36 ins. in the ground, with brass cap marked:
- T9SR24W  
WP  
S7 | S8  
1960
- 1.56 West toe of the levee.
- 9.71 Left bank of the Colorado River at mean high water mark, 12 to 15 ft. in height, bears N. 51° 00' E. and S. 55° 21' W.
- Set an iron post, 30 ins. long, 2½ ins. in diameter, 20 ins. in the ground, the meander corner of sections 7 and 8, with brass cap marked:
- M C  
S7 | S8  
T9SR24W  
1961
- Set a redwood post, 7 ft. long, 4 ins. square, 36 ins. in the ground, alongside the iron post as a guard stake.
- Land, nearly level.  
Soil, sandy.  
Timber, none.  
Undergrowth, arrowweed.

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
Gila and Salt River Meridian, Arizona

## Chains

From the corner of sections 4, 5, 8, and 9.

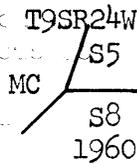
West, between sections 5 and 8.

Over nearly level land, along the center of a bladed farm road.

27.80 Point for the original meander corner of sections 5 and 8 at record distance; no evidence remains of the original or resurvey corners.

At the corner point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diameter, 36 ins. in the ground, with brass cap marked:



from which

A Yuma Water Users Association B. M. brass cap bears SE. 59.1 links distant.

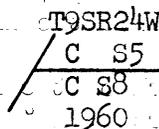
Deposit glass around the iron post.

33.80 East edge of canal, bears N. and S.

34.00 West edge of the canal.

35.53 The point for the closing cor. of secs. 5 and 8, as established in the 1918 resurvey, which is marked by the remains of the original iron post, 1 in. in diam., badly corroded.

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



Deposit the original monument alongside the iron post.

A test well pipe bears North, 37 links distant.

A Reclamation Service B.M. #9, bears S. 5° E., 93 links distant.

Set a redwood post, 7 ft. long, 4 ins. square, 34 ins. in the ground, and alongside the iron post as a guard stake.

The corner falls at toe of levee.

Thence

West, on extension survey, beginning new measurement.

Over nearly level land.

0.44 Center of railroad tracks, bears NE. and SW.

0.85 Intersect the New Yuma Valley Levee.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diameter, 42 ins. in the ground, for a witness point, with brass cap marked:

Dependent Resurvey of a Portion of T. 9 S., R. 24 W.,  
Gila and Salt River Meridian, Arizona

Chains	
	<p style="text-align: center;">T9SR24W WP <math>\frac{S5}{S8}</math> 1961</p>
	<p>P.O.T., P.O.S.L. sta. 510 + 42.55 of the levee survey bears South 4.4 links distant.</p>
1.37	<p>West toe of the levee.</p>
4.47	<p>Point for the <math>\frac{1}{4}</math> section corner of sections 5 and 8 at 40.00 chains in departure from the corner of sections 4, 5, 8, and 9.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diameter, 22 ins. in the ground, surrounded in concrete, with brass cap marked:</p>
	<p style="text-align: center;">T9SR24W <math>\frac{1}{4} \frac{S5}{S8}</math> 1960</p>
	<p>Set a redwood post, 7 ft. long, 4 ins. square, 36 ins. in the ground with <math>\frac{1}{4}</math> scribed on N. face, alongside the iron post as a guard stake.</p>
8.27	<p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. in diameter, 20 ins. in the ground, surrounded by concrete, for witness meander cor., with brass cap marked:</p>
	<p style="text-align: center;">T9SR24W WC / S5 MC / S8 R24W 1961</p>
	<p>Set a redwood post, 7 ft. long, 4 ins. square, 30 ins. in the ground, alongside the iron post as a guard stake.</p>
11.42	<p>Mean high water mark on the left bank of the Colorado River, 4 to 5 ft. in height, bears S. 19° 00' W. and N. 18° 00' E. This point is located on an abrupt, bank of loose earth where the corner monument cannot be perpetuated. Set the WCMC as described above.</p> <p>Land, nearly level. Soil, sandy. Timber, scattering cottonwoods. Undergrowth, scattering arrowweeds and small willows.</p>
	<p style="text-align: center;">Meanders of the Left Bank of the Colorado River, T. 9 S., R. 24 W., G. &amp; S. R. Mer., Arizona</p> <hr/> <p>Beginning at the true point for the meander corner of sections 5 and 32, described in the concurrent resurvey of T. 8 S., R. 24 W.</p> <p>Thence, with meanders of the left bank of the Colorado River downstream in section 5:</p> <p>Along a well defined, cut bank 5 to 10 ft. high, through dense undergrowth.</p>

Meanders of the Left Bank of the Colorado River  
T. 9 S., R. 24 W., G. & S. R. Mer., Arizona

## Chains

S. 33° 30' W., 16.15 chains.  
 S. 27° 30' W., 5.46 chains.  
 S. 26° 30' W., 8.53 chains.  
 S. 13° 30' W., 17.05 chains.  
 S. 5° 30' W., 11.51 chains.  
 S. 15° 30' W., 15.05 chains.  
 S. 18° 00' W., 12.05 chains. The true point for the meander corner for sections 5 and 8.

Land, nearly level.  
 Soil, sandy.  
 Timber, none.  
 Undergrowth, dense arrowweed.

Thence in section 8.

Along a cut bank 5 ft. high in dense undergrowth

S. 19° 00' W., 6.71 chains.  
 S. 11° 00' W., 19.60 chains.  
 S. 22° 45' W., 7.53 chains.  
 S. 24° 15' W., 16.23 chains.  
 S. 48° 45' W., 11.10 chains.  
 S. 51° 00' W., 11.19 chains. The meander corner of sections 7 and 8.

Land, nearly level.  
 Soil, sandy.  
 Timber, none.  
 Undergrowth, dense arrowweed and salt cedar.

Thence in section 7

Along a cut bank about 10 ft. high, in dense undergrowth.

S. 55° 21' W., 12.22 chains.  
 S. 53° 58' W., 3.39 chains. At this point a large water pump bears West, 50 links.  
 S. 47° 50' W., 14.84 chains. The true point for the meander corner of sections 7 and 18.

Land, nearly level.  
 Soil, sandy.  
 Timber, scattered large willows.  
 Undergrowth, dense arrowweed and salt cedar.

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 Meanders of the Left Bank of the Colorado River  
 T. 9 S., R. 24 W., G. & S. R. Mer., Arizona

## Chains

Thence in section 18

Along a cut bank about 10 ft. high, in dense undergrowth.

S. 43° 45' W., 15.88 chains.

S. 42° 45' W., 13.35 chains.

S. 14° 00' W., 13.80 chains.

S. 6° 00' E., 14.05 chains.

S. 13° 00' E., 8.83 chains. At end of course, bank increases to about 12 ft. high.

S. 29° 00' W., 8.47 chains.

S. 63° 00' W., 3.60 chains.

S. 52° 00' W., 0.74 chains.

S. 36° 00' W., 3.80 chains.

S. 55° 00' W., 2.60 chains.

S. 50° 00' W., 1.77 chains.

S. 34° 00' W., 3.50 chains.

S. 37° 00' W., 2.82 chains.

S. 52° 30' W., 3.95 chains. The meander corner of sections 18 and 19.

Land, nearly level.

Soil, sandy.

Timber, none.

Undergrowth, arrowweed, salt cedar, and scattering mesquite.

Thence in section 19

Along a cut bank about 10 ft. high, in dense undergrowth.

S. 57° 30' W., 5.30 chains.

S. 68° 45' W., 5.50 chains.

S. 59° 00' W., 4.70 chains. The meander corner of sections 19 and 24, Ranges 24 and 25 West, marked by an iron post conforming to the official record, of the concurrent resurveys of T. 9 S., R. 25 W.

Land, nearly level.

Soil, sandy.

Timber, none.

Undergrowth, salt cedar and arrowweed.

## GENERAL DESCRIPTION

The land covered by this survey in T. 9 S., R. 24 W. is located adjacent to the left bank of the Colorado River, approximately 3½ miles NW of Somerton, Arizona. The land is nearly flat with the

T. 9 S., R. 24 W., G. & S. R. Mer., Arizona

Chains

elevation varying between 105 and 120 feet above sea level. The soil is all river bottom silt loam and sandy loam classification. The whole township is under cultivation and the only undergrowth lies along the river bank. There is virtually no timber and the undergrowth is arrowweed and salt cedar with small patches of willow. All section lines are marked by roads and the New Yuma Valley Levee traverses through the area resurveyed.

18

Chains

One of the most important factors in the development of a chain is the selection of the links. The links should be chosen so that they are strong and durable, and they should be connected in such a way that the chain will not break under stress. The links should also be of uniform size and shape, and they should be made of a material that is resistant to corrosion and wear.



CERTIFICATE OF CADASTRAL SURVEYOR

BOOK 4622

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~~ under the supervision of Robert C. Yundt, executed the dependent resurvey and extension survey of accretion lands in Township 9 South, 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.

April 21, 1961  
(Date)

Leonard W. Murphy  
(Cadastral Surveyor)  
Surveying Technician

Robert C. Yundt  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JAN 10 1962, 1962

The foregoing field notes of the ~~survey of~~ limited dependent resurvey and extension survey of accretion lands in T. 9 S., R. 24 W., G. & S. R. Mer., Arizona,

executed by Leonard W. Murphy, Surveying Technician,

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

[Signature]  
(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.

(Date)

(Cadastral Engineering Staff Officer)