

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A

PORTION OF THE SUBDIVISIONS,

TOWNSHIP 1 NORTH, RANGE 23 WEST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

Leonard W. Murphy, Surveying Technician

Robert S. Kaiser, Cadastral Surveyor

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

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 7, 1961

Survey completed February 24, 1961

1A

BOOK 4637

INDEX DIAGRAM

Township 1 NORTH, Range 23 WEST

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10-56770-1

Meanders of the left bank of the Colorado River pages 13 through 16.

Dependent Resurvey in Township 1 North, Range 23 West,
Gila and Salt River Meridian

Chains

The original survey of the south, east, and portions of the north and west boundaries and subdivision, including the meanders of the left bank of the Colorado River was executed by John A. Barry, Deputy Surveyor, in 1902. In 1959-60 Robert C. Yundt, Cadastral Surveyor, executed a dependent resurvey in the southwest corner of the township including a partial subdivision-of-section survey in section 31 and meanders of the present left bank of the Colorado River in section 20, as shown upon the plat accepted July 27, 1960. This plat was suspended July 24, 1961 to provide for certain corrective surveys, which corrections do not affect this work. The following field notes are those of a dependent resurvey and extension survey of the boundaries of sections 2, 10, 11, 15, 21, and 22, with the meanders of the left bank of the Colorado River in sections 10, 11, 15, 21, and 22.

The dependent resurvey is a restoration of the lines of the original survey in their true original positions according to the identified evidence of that survey. Before remonumenting an original corner position, or restoring a lost corner, the lines of the original survey were retraced and searches 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 the true line notes, referring to the completed resurvey are supplied here.

The geographic position of the corner of sections 22, 23, 26, and 27 determined from the data contained on the quadrangle sheet of the U.S. Geological Survey is as follows: Latitude $33^{\circ} 24' 17''$ N. and longitude $114^{\circ} 37' 20''$ W. The mean magnetic declination was found to be $14^{\circ} 00'$ E.

The resurvey was executed with W. & L. E. Gurley solar transit No. 106234, the property of the Bureau of Land Management and constructed in accordance with their standard specifications. 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.

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23W.

Reestablishment of the Surveys Executed by John A. Barry
in 1902 and Robert C. Yundt in 1959.

The corner of sections 11, 12, 13, and 14 is monumented with a malpais stone, 24x8x8 ins., firmly set in the ground with 4 notches on S. and 1 notch on E. edges, and a mound of stone to W. of corner.

At the corner point

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

BOOK 4637

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains	
	T1N R23W S11 S12 S14 S13 1961
	Deposit the original corner stone alongside the iron post.
	Thence,
	N. 00° 14' W., on dependent resurvey between sections 11 and 12.
	Over desert land, through medium dense undergrowth; descend 20 ft.
2.00	South edge of large dry wash, drains WSW.; thence across wash.
17.00	Leave wash; ascend 20 ft.
17.50	Edge of mesa, bears SSE. and WSW.
25.00	Dry wash, 1.50 chs. wide, drains SSW; ascend gradually.
37.85	Top of ascent bears E. and W.; wire fence along top. Descend 20 ft.
39.91	The quarter corner of sections 11 and 12, marked by a malpais stone, 18x10x8 ins., firmly set in the ground, marked $\frac{1}{4}$ on S. face, witnessed by a mound of stone to W.
	At the corner point.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diameter, 22 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:
	T1N R23W $\frac{1}{4}$ S11 S12 1961
	Deposit original stone alongside the iron post.
	Thence,
	N. 00° 07' W., beginning new measurement.
7.85	N. edge of small flat mesa; descend 50 ft. over N. slope.
12.00	Ravine, drains W.; ascend 50 ft. over S. slope.
16.20	Ridge, bears E. and W.; old rut road, follows ridge; descend 100 ft. over N. slope.
19.00	S. edge of Mule Wash, bears E. and W.; thence through medium growth of mesquite, palo verde and greasewood, over bottom of wash, draining W.
34.00	N. edge of Mule Wash; enter small ravine, drains SW.; thence across ravine, ascending gradually.
39.86	The corner of sections 1, 2, 11, and 12, marked by a malpais stone, 24x8x6 ins., firmly set in the ground, with 5 notches on S. and 1 notch on E. edges, witnessed by a mound of stone to the W.
	At the corner point.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diameter, 24 ins. in the ground, and in a mound of stone, with brass cap marked:
	T1N R23W S 2 S1 S11 S12 1961
	Deposit the original stone alongside the iron post.
	Land, flat mesas cut by ravines and dry washes.

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains

Soil, sandy, gravelly.
 Timber, palo verde and salt cedar.
 Undergrowth, scattered growth of creosote bush, mesquite in washes.

N. 00° 04' W., on dependent resurvey between sections 1 and 2.

Over mesas, small washes and ravines, through medium dense undergrowth.

15.40 Dry wash, 50 lks. wide, 3 ft. deep, drains W.

27.10 Dry wash, 20 lks. wide, 5 ft. deep, drains WSW.

39.97 The $\frac{1}{4}$ corner of secs. 1 and 2 marked by a malpais stone, 20x8x4 ins., firmly set in the ground, marked $\frac{1}{4}$ on W. face and witnessed by a mound of stone to the W.

At the corner point

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diameter, 26 ins. in the ground and in a mound of stone, with a brass cap marked:

T1N R23W

S2 | S1

1961

Deposit original corner stone alongside the iron post. Corner falls on steep N. slope of a ravine draining W.

Thence,

N. 00° 17' W., beginning new measurement.

0.90 Ravine, 20 lks. wide, 2 ft. deep, drains W.

14.10 Dry wash, 20 lks. wide, 10 ft. deep, drains W.

20.20 Dry wash, 20 lks. wide, 2 ft. deep, drains WSW.

32.90 Dry wash, 1 ch. wide, 3 ft. deep, drains WSW.

38.40 Dry wash, 10 lks. wide, 5 ft. deep, drains W.

40.19 The corner of sections 1, 2, 35, and 36 on the N. boundary of the township, marked by an iron post 2 $\frac{1}{2}$ ins. in diameter, conforming to the record of the dependent resurvey of T. 2 N., R. 23 W. concurrently executed.

Land, flat mesas, cut by dry washes and ravines.

Soil, gravelly.

Timber, none.

Undergrowth, tamarisk, mesquite, and willows.

The corner of sections 22, 23, 26, and 27 is reestablished at its record position from the original bearing tree in section 22.

From which point the original tree

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains	A palo verde, 10 ins. in diameter, marked T2NR23WS22BT bears N. 58° W., 58 lks. (Record.)
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. in diameter, 26 ins. in the ground and in a mound of stone, with brass cap marked:
	T1N R23W
	S22 S23
	S27 S26
	1960
	Thence:
	N. 00° 16' W., on dependent resurvey between sections 22 and 23.
	Over gentle NW. slope, through medium dense undergrowth.
35.10	Wash, 30 lks. wide, 10 ft. deep, drains WNW.
35.90	Descend 25 ft.
37.40	Wash, 50 lks. wide, drains NW.; enter dense growth of salt cedar and palo verde.
40.00	The point for the quarter corner of sections 22 and 23 at proportionate distance. There is no remaining evidence of the original corner.
	Set an iron post, 30 ins. long, 2½ ins. in diameter, at the restored quarter corner of sections 22 and 23, 28 ins. in the ground and in a mound of stone, with brass cap marked:
	T1N R23W
	¼
	S22 S23
	1961
	from which:
	A palo verde, 12 ins. in diameter, bears N. 1° E., 1.22 chs. distant, marked ¼S23BT.
	A palo verde, 14 ins. in diameter, bears S. 60° W., 1.29 chs. distant, marked ¼S22BT.
	A palo verde, 24 ins. in diameter, bears S. 2° W., 1.79 chs. distant, marked ¼S22BT.
	Corner falls on the S. edge of a dry wash, draining WNW.
41.50	Wash, 40 lks. wide, 1 ft. deep drains WNW.
42.00	Enter area subject to wash with scattered growth of Creosote bush.
52.80	Enter medium growth of palo verde and mesquite.
56.60	Wash, 50 lks. wide, 1 ft. deep, drains WNW.
62.80	Bladed road, bears S. 45° W., and N. 45° E.
63.80	Wash, 50 lks. wide, 1 ft. deep, drains WNW.
70.50	Wash, 50 lks. wide, 1 ft. deep drains WNW.
80.00	The corner of sections 14, 15, 22, and 23, marked by an iron post, 2½ ins. in diameter, firmly set in the ground and conforming to the official record of the 1959 dependent resurvey.
	Land, nearly level desert cut by dry washes.

Dependant Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains	Soil, gravelly-sand, Timber, scattered growth of palo verde, creosote bush. Undergrowth, tamarisk, creosote brush and mesquite.
	N. 00° 07' W., on dependant resurvey between sections 14 and 15. Over nearly level desert land, through scattering mesquite and palo verde.
2.80	Wash, 50 lks. wide, 1 ft. deep, drains WNW.
9.70	Wash, 50 lks. wide, 1 ft. deep, drains WNW.
11.20	Wash, 50 lks. wide, 1 ft. deep, drains WNW.
17.30	Bladed road, bears WNW.
18.30	Wash, 70 lks. wide, 2 ft. deep, drains WNW.
22.80	Wash, 1 ch. wide, 2 ft. deep drains WNW.
25.00	Ascend 50 ft.
27.50	S. edge of mesa, bears WSW., thence over undulating mesa, bears ENE.
40.02	The $\frac{1}{4}$ corner of sections 14 and 15, marked by a malpais stone, 18x14x10 ins., firmly set in the ground, marked $\frac{1}{4}$ on W. face. from which A palo fierro, 16 ins. in diameter, bears S. 61° W., 1.96 links distant, with no markings. The remains of the second original bearing tree lie loosely on the ground to the NE. At the corner point Set an iron post, 30 ins. long, 26 ins. in the ground and in a mound of stone, with brass cap marked: T1N R23W $\frac{1}{4}$ S15 S14 1961 Deposit original stone alongside the iron post. Thence: N. 00° 07' W., beginning new measurement.
14.70	Wash, 30 lks. wide, 10 ft. deep, drains W.
25.00	South rim of large wash area, bears E. and W., thence over wash area with medium growth of palo verde and mesquite.
40.04	The corner of sections 10, 11, 14, and 15, marked by a remains of the original mesquite post, set in a mound of stone., markings illegible. At the corner point. Set an iron post, 30 ins. long, 2½ ins. in diameter, 26 ins. in the

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains

ground and in a mound of stone, with brass cap marked:

TIN R23W

S10|S11

S15|S14

1961

Set the original post alongside the iron post.

Land, nearly level desert to rolling hills.

Soil, sandy-gravelly.

Timber, palo verde, palo fierro, and willows.

Undergrowth, scattered growth of creosote bush, and mesquite.

From the corner of sections 11, 12, 13, and 14.

S. 89° 55' W., on dependent resurvey between sections 11 and 14.

Over rolling land, through scattering timber and scant undergrowth.
Descent 20 ft. over a W. slope.1.50 S. edge of large dry wash, drains WSW; thence across level bottom
land through scattered palo verde and mesquite.

26.00 N. edge of wash,; enter rolling hills.

39.99 The $\frac{1}{4}$ corner of sections 11 and 14, marked by a malpais stone,
18x8x4 ins., firmly set in the ground, with $\frac{1}{4}$ marked on N. face and
witnessed by a mound of stone to N.

At the corner point

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

TIN R23W

S11

S14

1961

Deposit original stone alongside iron post.

Thence:

S. 89° 53' W., beginning new measurement.

0.50 Wash, 50 lks. wide, 6 ft. deep, drains SW.

9.00 Wash, 50 lks. wide, 6 ft. deep, drains SW.

26.00 Wash, 1 ch. wide, 2 ft. deep, drains SW.

30.00 Leave hills; enter level desert land.

37.50 Rut road, bears ESE and NNW.

40.02 The corner of sections 10, 11, 14, and 15.

Land, level desert and rolling hills.

Soil, sandy-gravelly.

Timber, medium growth of palo verde and mesquite in washes.

Undergrowth, creosote brush, weeds and grass.

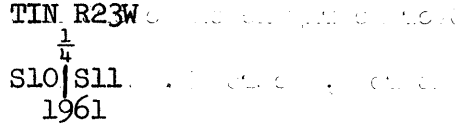
Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains	N. 89° 59' W., on dependent resurvey between sections 10 and 15. Over nearly level desert land, through medium dense undergrowth.
3.30	Rut road, bears SE. and NW.
4.90	Wash, 50 lks. wide, 3 ft. deep drains SW.
6.40	Rut road, bears N. and S.
7.04	U. S. Bureau of Reclamation bench mark No. TR-38 bears N. 21 lks. distant.
11.58	Set an iron post, 30 ins. long, 2½ ins. in diameter at the witness meander corner of sections 10 and 15, 24 ins. in the ground and in a mound of stone, with brass cap marked:
	Set a 4x4 ins. square redwood post, 7 ft. long, 3 ft. in the ground alongside the iron post.
	Corner falls at the S. edge of area of cleared ground
14.72	The left bank of the Colorado River. (The point for the meander corner of sections 10 and 15 falls in an unsafe place not practical to monument.) Land, level river bottom. Soil, sandy-gravelly. Timber, none. Undergrowth, medium to dense growth growth of creosote bush, palo verde, mesquite, and willows.
	N. 00° 01' W., record course on dependent resurvey between sections 10 and 11. Over nearly level desert land, through scant undergrowth.
5.90	Bladed road, bears NE. and SW. 30 ft., thence over undulating mesa,
13.30	Wash, 10 lks. wide, 1 ft. deep, drains SW.
26.10	Wash, 10 lks. wide, 3 ft. deep, drains W.
29.36	Bladed road, in wash, bears SSW. and NNE.
34.36	Wire fence, bears E. and W.
38.08	Descend 30 ft. over steep N. slope of mesa.
39.50	Bottom of descent. Thence over level bottom land, with heavy growth of willow, arrowweed, and mesquite.
40.00	The point for the quarter corner of sections 10 and 11, at record distant, there is no remaining evidence of the original corner. Set an iron post, 30 ins. long, 2½ ins. in diameter at the restored quarter corner of sections 10 and 11, 26 ins. in the ground and in a

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains

mound of stone with brass cap marked:

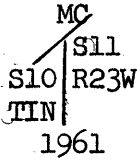


Continue on same line with continuous measurement.

53.85 Mean high water mark on the left bank of the Colorado River and point for the meander corner of sections 10 and 11.

At the corner point

Set an iron post, 30 ins. long, 2 1/2 ins. in diameter, 26 ins. in the ground with brass cap marked:



Set a redwood post, 7 ft. long and 4 ins. square, 3 ft. in the ground alongside the iron post.

Land, rolling hills and level river bottom.

Soil, gravelly sand.

Timber, scarce to dense growth salt cedar, mesquite, palo verde and willows.

Undergrowth, tamarisk, creosote brush, and weeds.

From the corner of sections 1, 2, 11, and 12.

S. 89° 41' W., on dependent resurvey between sections 2 and 11.

Over rolling hills, through scant undergrowth.

7.60 Wash, 10 lks. wide, 2 ft. deep drains S.

11.40 Wash, 1 ch. wide, 1 ft. deep drains S.

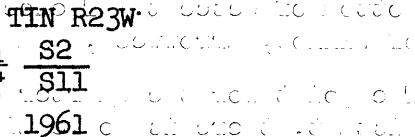
29.40 Wash, 10 lks. wide, 2 ft. deep drains S.

32.50 Wash, 10 lks. wide, 2 ft. deep drains S.

40.00 The 1/4 corner of sections 2 and 11, marked by a malpais stone, 24x8 x6 ins., firmly set in the ground, with 1/4 marked on N. face and witnessed by a mound of stone to the N.

At the corner point

Set an iron post, 30 ins. long, 2 1/2 ins. in diameter, 24 ins. in the ground and in a mound of stone, with brass cap marked:



Deposit the original stone alongside the iron post.

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains	S., 89° 41' W., beginning new measurement.																				
1.50	Wash, 10 lks. wide, 3 ft. deep, drains S.																				
11.70	Wash, 10 lks. wide, 5 ft. deep, drains SW.																				
27.00	Wash, 50 lks. wide, 5 ft. deep, drains W.																				
32.54	Bladed road, bears irregularly N. and S. Leave hills enter level bottom land.																				
32.71	Set an iron post, 30 ins. long, 2½ ins. in diameter, 24 ins. in the ground and in a mound of stone, at the witness meander corner of sections 2 and 11 on the left bank of the Colorado River, with brass cap marked: <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">WP</td> <td style="padding-right: 5px;">/</td> <td style="padding-right: 5px;">T1N</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;"></td> <td style="padding-right: 5px;">/</td> <td style="padding-right: 5px;">S2</td> <td style="padding-left: 5px;">The post was marked</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;"></td> <td style="padding-right: 5px;">/</td> <td style="padding-right: 5px;">S11</td> <td style="padding-left: 5px;">for a witness point.</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;"></td> <td style="padding-right: 5px;">/</td> <td style="padding-right: 5px;">R23W</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;"></td> <td style="padding-right: 5px;">/</td> <td style="padding-right: 5px;">1961</td> <td></td> </tr> </table> </div>	WP	/	T1N			/	S2	The post was marked		/	S11	for a witness point.		/	R23W			/	1961	
WP	/	T1N																			
	/	S2	The post was marked																		
	/	S11	for a witness point.																		
	/	R23W																			
	/	1961																			
33.15	Mean high water mark on the left bank of the Colorado River and true point for the meander corner falls upon a steeply sloping cut bank where the monument cannot be perpetuated. Land, rolling hills. Soil, sandy-gravelly. Timber, scattered palo verde and mesquite. Undergrowth, creosote brush, black brush and weeds.																				
	From the corner of sections 22, 23, 26, and 27. S. 89° 58' W., on dependent resurvey between sections 22 and 27. Over desert land, through medium dense undergrowth, descend over slight W. slope.																				
39.97	The ¼ corner of sections 22 and 27, marked by an iron post, 2½ ins. in diameter, firmly set in the ground and conforming to the official record of the 1959 dependent resurvey. Thence: S. 89° 56' W., beginning new measurement.																				
30.70	Graded gravel road, bears NE. and SW.; enter graded gravel road, bears W.; thence over nearly level desert land.																				
40.01	The corner of sections 21, 22, 27, and 28, marked by an iron post, 2½ ins. in diameter, set flush with the surface of the road and conforming to the official record of the 1959 dependent resurvey. Land, nearly level desert. Soil, sandy-gravelly. Timber, scattered growth of salt cedar, mesquite and palo verde. Undergrowth, creosote brush and weeds.																				

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains

N. 00° 17' W., on dependent resurvey between sections 21 and 22.

Over nearly level desert land, with scattered undergrowth.

20.00 The point for the S. sixteenth section corner of sections 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. in diameter, 24 ins. in the ground, with brass cap marked:

T1N R23W

S 1/16

S21 | S22

1961

24.00 Enter dense growth of salt cedar, arrow weed, palo verde, and willows.

39.60 Graded gravel road, bears E. and W.

40.00 The point for the quarter corner of sections 21 and 22, at record distant. There is no remaining evidence of the original corner.

Set an iron post, 30 ins. long, 2½ ins. in diameter, 24 ins. in the ground and in a mound of stone, with brass cap marked:

T1N R23W

¼

S21 | S22

1961

from which

A redwood post, 7 ft. long and 4 ins. square, set in the ground, bears S., 15 lks. distant and marked RP 15 lks. N.

56.95 Bladed road, bears WNW. and ESE.; enter bulldozed road, bearing N.

62.17 Fence, wire, bears WNW. and ESE.; enter cleared land.

72.26 Set an iron post, 30 ins. long, 2½ ins. in diameter, 26 ins. in the ground and in a mound of stone at the witness meander corner of sections 21 and 22 on the left bank of the Colorado River, with brass cap marked:

WMC

S21 | S22

T1N R23W

1961

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

72.74 Mean high water mark on the left bank of the Colorado River and true point for the meander corner of sections 21 and 22 falls upon steeply sloping bank where it is impossible to perpetuate the corner monument.

Land, level, river-bottom land, and level desert.

Soil, sandy and gravelly.

Timber, medium to dense growth of cottonwood, mesquite, salt cedar, and willows.

Undergrowth, arrow weed, and tamarisk.

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

Chains

From the corner of sections 14, 15, 22, and 23.
S. $89^{\circ} 56' W.$, on dependent resurvey between sections 15 and 22.

Over nearly level desert land, through scattered undergrowth.

31.39 Wire fence, bears SSW. and W.; thence along fence.

40.01 The $\frac{1}{4}$ corner of sections 15 and 22, marked by an iron post, $2\frac{1}{2}$ ins. in diameter, firmly set in the ground and conforming to the official record of the 1959 dependent resurvey.

Continue same line beginning new measurement.

1.00 End of fence; continue along bulldozed trail.

25.90 Bladed road, bears SW. and NE.

28.90 Bladed road, bears SW. and NE.

30.70 Mean high water mark on the left bank of the Colorado River and point for the meander corner of sections 15 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diameter, 26 ins. in the ground with brass cap marked:

Set a redwood post 7 ft. long and 4 ins. square, 3 ft. in the ground alongside the iron post.

~~The position of the redwood post and the iron post are shown on the plan in the upper and lower halves of the original corner monument.~~

Land, nearly level desert and river-bottom.

Soil, sand.

Timber, mesquite, palo verde, and willows.

Undergrowth, arrow weed and tamarisk.

From the corner of sections 21, 22, 27, and 28.

N. $89^{\circ} 52' W.$, on dependent resurvey between sections 21 and 28.

Over level land, through medium dense undergrowth, along gravelled road, bearing E. and W.

20.00 Point for the E. sixteenth corner of sections 21 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diameter, 8 ins. below the surface of the road, with brass cap marked:

from which

Dependent Resurvey of a Portion of the Subdivision of T. 1 N., R. 23 W.

<p>Chains</p> <p>40.00</p> <p>40.00</p> <p>41.28</p> <p>41.52</p>	<p>An iron post, 30 ins. long, 2½ ins. in diameter, set 26 ins. in the ground as an RM. bears N. 25 lks. distant, with brass cap marked TIN R23W S21 RM 1961, with an arrow pointing to the corner.</p> <p>The corner falls in line with E. edge of irrigation canal, bears N. and S. Thence through area of cultivated land.</p> <p>The quarter corner of sections 21 and 28, marked by an iron post, set 8 ins. below road grade, in gravel road, and conforming to the official record of the 1959 dependent resurvey.</p> <hr/> <p>Thence:</p> <p>N. 89° 52' W., beginning new measurement.</p> <p>The corner of sections 20, 21, 28, and 29 marked by an iron post, 2½ ins. in diameter, set 8 ins. below the surface of the gravel road and conforming to the official record of the 1959 dependent resurvey.</p> <p>Land, nearly level desert and cultivated. Soil, sandy and cultivated first rate. Timber, willows and palo verde; none in the W. one-half. Undergrowth, arrow weed, creosote brush and weeds.</p> <hr/> <p>N. 00° 24' W., on dependent resurvey between sections 20 and 21.</p> <p>Over level land, along bladed gravel road, bears N. and S. Cultivated lands to either side.</p> <p>The quarter corner of sections 20 and 21, marked by an iron post, 2½ ins. in diameter, set 8 ins. below road grade, and conforming to the official record.</p> <hr/> <p>Continue on same line with continuous measurement.</p> <p>The point selected for the establishment of the witness point for sections 20 and 21.</p> <p>Set an iron post, 30 ins. long, 2½ ins. in diameter, 24 ins. in the ground and in a mound of stone, with brass cap marked:</p> <p style="text-align: center;">WP S20 S21 TIN R23W 1961</p> <p>Mean high water mark on the left bank of the Colorado River bears E. and W. There is no remaining evidence of the original witness point which falls on land subject to erosion where the monument cannot be perpetuated. The M. C. of secs. 9 and 10, T. 9 S., R. 22 E., S. 8 B. M. California, the true point therefor, bears N. 76° 26' E., 27.54 chs. Land, cultivated, level. Soil, irrigated first rate. Timber, none. Undergrowth, in cultivated area.</p>
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Meanders and Traverse of the Left Bank
of the Colorado River, T. 1 N., R. 23 W.

Chains

Meanders and Traverse of the Left Bank
of the Colorado River, T. 1 N., R. 23 W.,
through secs. 10, 11, 15, 21 and 22.

The following notes are those of the meanders and traverse of the present position of the left bank of the Colorado River. The river has been meandered in front of public land areas and traversed in front of divested lands. In the latter case, the traverse is supplied for informational purposes only.

Beginning at the true point for the meander corner of sections 2 and 11 on the left bank of the Colorado River, from which the witness point for sections 2 and 11 bears N. 89° 41' E. 0.44 chs. distant.

Thence with meanders of the left bank of the Colorado River, downstream in section 11.

Along a cut bank 3 to 5 ft. in height, through dense undergrowth.

S. 12° 42' W., 10.05 chains.

S. 13° 16' W., 5.70 chains.

South, 1.86 chains.

S. 14° 33' W., 1.72 chains.

S. 27° 35' W., 4.74 chains.

S. 10° 37' W., 2.60 chains. The meander corner of sections 10 and 11.

Land, level river bottom.

Soil, sand.

Timber, none.

Undergrowth, dense growth, arrow weed and willows.

Thence in section 10

Along a cut bank 3 to 5 ft. in height, through dense undergrowth.

S. 17° 46' W., 13.63 chains.

S. 18° 49' W., 8.09 chains.

S. 14° 31' W., 23.46 chains.

S. 10° 59' W., 10.72 chains. The true point for the meander corner of sections 10 and 15, from which the witness meander corner bears S. 89° 59' E., 3.14 chs. distant.

Land, level river bottom and rolling hills to E.

Soil, sandy to gravelly.

Timber, medium to dense growth salt cedar, willows, and cottonwood.

Under growth, arrow weed and tamarisk.

BOOK 4637 The Meanders and Traverse of the Left Bank
of the Colorado River, T. 1 N., R. 23 W.

Chains

Thence in section 15
Along a cut bank 3 to 5 ft. in height, through medium dense undergrowth.

S. 16° 55' W., 11.85 chains.

S. 22° 05' W., 16.84 chains.

S. 27° 56' W., 11.66 chains.

S. 28° 46' W., 5.11 chains.

S. 54° 38' W., 3.42 chains.

S. 31° 45' W., 3.86 chains.

S. 39° 55' W., 16.36 chains.

S. 50° 34' W., 7.94 chains.

S. 46° 08' W., 2.15 chains.

S. 42° 36' W., 2.02 chains.

S. 47° 07' W., 8.15 chains.

S. 47° 30' W., 10.50 chains. The meander corner of sections 15 and 22.

Land, level river bottom.
Soil, sandy-gravelly.
Timber, medium to dense growth, salt cedar, willows.

Thence in section 22.
Along a cut bank 3 to 5 ft. in height, through dense undergrowth.

S. 53° 15' W., 4.68 chains.

S. 52° 47' W., 2.93 chains.

S. 52° 33' W., 1.56 chains.

S. 47° 05' W., 2.60 chains. The true point for the meander corner of sections 21 and 22, from which the witness meander corner bears S. 00° 17' E., 0.48 chains.

Land, level river bottom.
Soil, sandy.
Timber, cottonwood, salt cedar, and willows.
Undergrowth, arrow weed and tamarisk.

Thence in section 21, with the traverse of the left bank.
Along a cut bank 3 to 5 ft. in height, through dense undergrowth

S 45° 21' W., 5.44 chains.

BOOK 4637

Meanders and Traverse of the Left Bank
of the Colorado River, T. 1 N., R. 23 W.

Chains

S. 52° 34' W.,	6.50 chains.	
S. 49° 53' W.,	2.99 chains.	
S. 49° 05' W.,	4.47 chains.	
S. 54° 18' W.,	7.52 chains.	
S. 53° 48' W.,	3.61 chains.	
S. 56° 43' W.,	1.95 chains.	
S. 57° 34' W.,	4.09 chains.	
S. 54° 58' W.,	3.17 chains.	
S. 78° 55' W.,	2.55 chains.	
S. 60° 12' W.,	2.94 chains.	
S. 70° 16' W.,	4.06 chains.	
S. 72° 21' W.,	3.73 chains.	
S. 75° 29' W.,	14.00 chains.	
S. 86° 59' W.,	5.52 chains.	
N. 88° 28' W.,	5.99 chains.	
S. 88° 49' W.,	2.91 chains.	
N. 82° 09' W.,	7.03 chains.	
N. 74° 33' W.,	1.20 chains.	Intersect the line between sections 20 and 21 at a point 0.24 chain N. of the witness point.

Land, level river bottom.

Soil, sand.

Timber, dense growth of willows and salt cedar.

Undergrowth, arrow weed and tamarisk.

GENERAL DESCRIPTION

The area covered by the resurvey lies along the left bank of the Colorado River. The land for the most part is on the level flood plain of the river. The soil is a deep, sandy clay loam and excellent for agriculture. The cover consists of a dense undergrowth of palo fierro, palo verde, arrow weed, salt cedar, and weeds. Part of the land is being farmed at the present time.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Paul G. Bauer	Transitman
LaVern Griffin	Transitman
Jerald V. Thompson	Chainman
Anthony W. Coombs	Chainman
Gary Oviatt	Chainman
Dan V. Coleman	Chainman
Kimble D. Moffitt	Flagman
Jerald G. Brindley	Flagman
Douglas L. McInelly	Cornerman
Ashley D. Allen	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

/s/ We, Robert S. Kaiser and 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~~ ^{We} ~~under the supervision of Robert C. Yundt, Cadastral Surveyor,~~ independently resurveyed those portions of the subdivision and surveyed portions of the meanders of the left bank of the Colorado River in Township 1 North, Range 23 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 27, 1961
April 27, 1961

Robert S. Kaiser
 Robert S. Kaiser, Cadastral Surveyor
Leonard W. Murphy
 Leonard W. Murphy, Cadastral Surveyor
Robert C. Yundt

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., JUN 27 1962, 1962

The foregoing field notes of the ~~XXXXXX~~ independent resurvey of portions of the subdivision and survey of portions of the meanders of the left bank of the Colorado River in Township 1 North, Range 23 West of the Gila and Salt River Meridian, Arizona

executed by Robert S. Kaiser and Leonard W. Murphy, under the supervision of Robert C. Yundt having been critically examined and found correct, are hereby approved.

E. L. Remington
 Chief, ~~Division of Engineering Staff Officer~~ 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.